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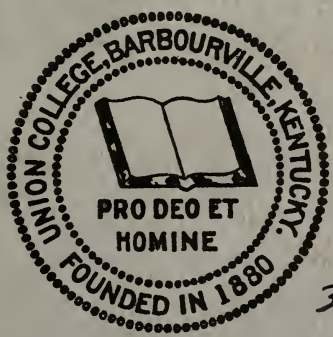
Bulletin

of

Union College

1928-29

Catalogue Number



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THE GYMNASIUM

GENERAL VIEW OF UNION COLLEGE CAMPUS AND PART OF STUDENT BODY

Bulletin

of

Union College

1928-29

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Barbourville, Ky.

UNION COLLEGE BULLETIN
CATALOGUE NUMBER

PUBLISHED QUARTERLY BY THE COLLEGE

VOLUME VII, No. II
JUNE 1928

Entered as second class matter May 4, 1922, at the post office at Barbourville, Ky., under the Act of August 24, 1912.

CALENDAR

1928

Monday, September 17.....Registration
Tuesday, September 1.....First Semester Opens
Thursday, November 22.....Thanksgiving Day
Friday, December 21.....Work Stops

1929

Tuesday, January 1.....Work Begins
Saturday, January 28.....First Semester Closes
Tuesday, January 26.....Second Semester Opens
Wednesday, May 29.....Commencement Day

BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

Bishop T. S. Henderson.....Cincinnati, Ohio
President E. T. Franklin.....Barbourville, Ky.

Class No. 1—Term Expires in 1928

Rev. S. K. Hunt.....Pikeville, Ky.
Mr. A. M. Decker.....Barbourville, Ky.

Class No. 2—Term Expires in 1929

Rev. E. P. Hall, *Vice President*.....Harlan, Ky.
Mr. A. B. Cornett.....Harlan, Ky.

Class No. 3—Term Expires in 1930

Rev. E. R. Overly.....Ashland, Ky.
Mr. Harry E. Bullock.....Lexington, Ky.
C. B. Nordeman, *President*.....Louisville, Ky.

Class No. 4—Term Expires in 1931

Rev. W. W. Shepherd.....Russell, Ky.
Hon. Alvis S. Bennett.....Louisville, Ky.
Jakie Howard.....Pineville, Ky.

Class No. 5—Term Expires in 1932

Rev. John O. Gross.....Barbourville, Ky.
H. H. Miller.....Ashland, Ky.
Rev. John W. Potter.....Kokomo, Ind.

Class No. 6—Term Expires in 1933

Rev. John Lowe Fort.....Louisville, Ky.
Hon. James D. Black, *Treasurer*.....Barbourville, Ky.
Mr. Henry Payne.....London, Ky.

ADMINISTRATION

E. T. Franklin.....President
C. C. Smith.....Dean of the College
Abigail E. Weeks.....Librarian
Jas. D. Black.....Treasurer
James Blair.....Assistant Treasurer
Rebecca Sawyer .....Registrar

FACULTY

EZRA T. FRANKLIN, A.B., B.Pd., M.A.

PRESIDENT

Philosophy

A.B., Asbury College, 1903; B.Ph., Valparaiso University, 1905; A.B., Indiana University, 1906; M.A., Indiana University, 1910; graduate student at Columbia University, summer session, 1912 and 1913; research scholar, Columbia University, 1913-1914; teacher in graded school two years; a superintendent of city schools two years; Dean and Professor of Philosophy, Asbury College, 1908-1910; Professor of Theology and Philosophy, and Dean and Acting President of Olivet College, 1910-1911; President of Olivet College, 1911-1912; Vice President and Professor of Philosophy and Systematic Theology, Asbury College, 1912-1915; President of Union College, 1915-

CHARLES CLARK SMITH, A.B., A.M., S.T.M., D.D.

DEAN

Bible and Moral Philosophy

A.B., Simpson College, 1901; A.M., Simpson College, 1902; S.T.B., Boston University, 1904; three semesters graduate work under Borden P. Browne, Boston University; graduate work, summer quarter, Northwestern University, 1920; D.D., Simpson College, 1923; S.T.M., Boston University, 1927; Professor of Philosophy and Religious Education in Hedding College, 1919-22; Professor of Philosophy and Religious Education in Oklahoma City University, 1923-26; Dean and Francis Landrum Memorial Professor of Ethics and Moral Conduct, Union College, 1927.

ABIGAIL E. WEEKS, A.B., A.M.

LIBRARIAN

English Department

Graduate of State Normal School, Mansfield, Pa.; A.B., Dickinson College, 1905; A.M., 1907; special work in English at Chautauqua, New York; A.M., Columbia University, 1920; taught several years in graded and high school; head of the Department of English in Union College, 1905-1907, 1910-1915; after two years' absence recalled to the head of the English Department, 1917-

I. B. PEAVY, B.E., M.E., M.Pd., M.S.

Biology

B.E., M.E., and M.Pd., Edinboro State Normal School; M.S., Taylor University; B.E., 1891; M.E., 1893; M.Pd., 1903; M.S.

1908; graduate work, summer school, 1927; five years principal high school; 15 years teacher of science and methods and assistant principal in Edinboro State Normal School at Edinboro, Pa.; nine years teacher of science and educational subjects, and for seven years principal of the Academy at Taylor University; Union College, 1920-

FREDERICK W. STEACY, A.M. Ph.D.

Education

A.B., McGill University, 1897; A.M., 1913; Ph.D., Columbia University, 1917; Professor of Philosophy and Education in Florida State College for Women, Huntington College, and Howard College; Professor of Education, Union College, 1927-

ARTHUR M. HYDE, A.M., Ph.D.

History

A.M., Yale University; Ph.D., University of Illinois, 1927; Professor of History, Washburn College and Whitworth College; Professor of History, Union College, 1927-

FLORENCE M. CATE, A.B., A.M.

Latin and French

A.B., Morningside College, 1902; University of Chicago, summers 1906, 1907, 1910; M.A., University of Michigan, 1912; Mont. Notre Dame Convent, Sherbrooke, Canada, fall term, 1914; University of Michigan, summer 1916; University of Wisconsin, summers 1918, 1919, 1922, 1924; Middleburg French School, summer 1927; University of Kansas, summers 1913, 1917; Spring semester, 1914; regular year 1927-28; Professor of Latin, Southwestern College, 1906-1914; Professor of Latin and French, Southwestern College, 1915-1919; Instructor in French, University of Kansas, 1919, 1921-; Professor of French, Southwestern College, 1921-1927; part-time Instructor in French, University of Kansas, spring semester, 1928; Professor of Latin and French, Union College, 1928-

WALTER S. DYER, A.B., M.S.

Chemistry and Physics

A.B., University of Arkansas, 1924; M.S., University of Minnesota, 1925; graduate work in summer school, 1927; Assistant in Chemistry, University of Arkansas, 1922-24; Assistant in Chemistry, University of Minnesota, 1924-25; Professor of Chemistry and Physics, Union College, 1925-

JOHN B. WOLFE, A.B., A.M.
Mathematics

A.B., Emory and Henry College, 1925; A.M., University of Virginia, 1928; one year as Assistant High School Principal; Professor of Mathematics, Union College, 1926-

ETNA DOOP SMITH, A.M.
English

Simpson College, two years; summer quarter, Northwestern University, 1921; A.B., Oklahoma City University, 1924; A.M., Oklahoma State University, 1925; taught Extension Department, Oklahoma City University, 24-25; English, Oklahoma University, 26-27; Instructor in English, Union College, 1927-

CHARLES E. AHLER
Violin, Reed and Wind Instruments

A student under some of the outstanding teachers of violin and orchestra instruments. Taught in Union College two years. Has since had charge of the orchestra and band in three of the leading military academies in this country. He returned to Union College 1928-

LOLA MARIE BURTON, B.Mus.
Piano and Voice

Baker University, B.Mus., 1928; Supervisor of public school music two years; church choir soloist; private teacher of voice for five years; teacher of piano and voice, Union College, 1928-

DANIEL M. HUMFLEET, A.B.
Normal and Academy

A.B., Union College, 1925; State Certificate, Kentucky State Board of Education; special student in Science, University of Kentucky Summer School; student of Methods, Science and Mathematics, Eastern Kentucky State Normal; teacher in Rural Schools; Principal of Graded and High Schools; Professor in Normal Department of Sue Bennett Memorial School, London, Kentucky, 1910-12; Principal, Normal Department of Union College, 1915-20; Professor of Science and Mathematics, Union College Normal and Academy, 1920-

REBECCA SAWYER, A.B.
Registrar and Academy History and Biology

A.B., Union College, 1925, graduating with high honors. Registrar of Union College, 1923; instructor in History, Union College Academy, 1925.

HENRY LAWSON
Academy Mathematics

UNION COLLEGE

LOCATION

BARBOURVILLE, KENTUCKY, the county seat of Knox County, is the site of Union College. It is an incorporated city of about 2,500 inhabitants and is situated on the Cumberland Valley Division of the Louisville & Nashville Railroad. It is an attractive and progressive town, having many of the modern conveniences, such as natural gas, electric lights, waterworks, telephone exchange, good hotels, etc. Its citizenship is refined and law-abiding. The moral tone of the town is high. Baptists, Presbyterians, Disciples, and the Methodist Episcopals have churches here. The ideals of the people are elevating, their friendships warm, genuine and abiding. Their hospitalities are cordial and gracious. They are interested in the school and the student.

Cumberland River, famed for its historical associations and its picturesque scenery, flows through the valley and skirts the town. Charm and beauty of hill and valley commingle in splendid profusion. Viewed from a practical standpoint, the innumerable hills, with their wealth of vegetation above, and interesting geological strata below, afford a rich field for excursions of scientific classes. The mildness of the climate is conducive to such out-of-door study.

HISTORY

Union College had its origin in the minds of the citizens of Barbourville. They early recognized the needs of a Christian institution of learning in their midst. But to turn the furrow one must have the plow. So in 1880, a joint stock company having been formed for the purpose and incorporated, a site secured, and a suitable building erected thereon and dedicated, Union College started on a career of usefulness which has blessed the community and justified the faith of its founders.

In 1886 the property was sold to the Kentucky Conference of the Methodist Episcopal Church. The institution was, from that time to his death, in January, 1897, under the administration of the Reverend Daniel Stevenson, D.D., an able and conscientious educator, a consecrated and devout Christian, a cultured and refined gentleman. His incumbency was a material, intellectual and spiritual blessing to school and students, citizens and community. Upon the death of Doctor Stevenson the Reverend James P. Faulkner, A.M., a native of Knox County and a graduate of Union College, succeeded to the Presidency of the College. His wise and progressive administration brought the school on toward the accomplishment of its purpose and the realization of its high mission.

During the administration of President Faulkner, the Board of Education came into possession of the legacy bequeathed by Mrs. Fanny Speed, and from that time the expansion of the school became more marked. During this administration there were planned and begun Fanny Speed Hall and the Central Power and Heating Plant. They were not available for use, however, until the beginning of the next administration, that of Reverend James W. Easley, A.M., B.D., whose term of office began in 1905. The coming of the elective system and the broadening of the curriculum seemed like an impossible task to those in charge of the College, so the College Department was gradually dropped and for several years the school became an academy and a primary school. During the summer of 1906, the Administration Building was struck by lightning and burned to the ground. One year later it was replaced by a more commodious building and Stevenson Hall was also erected.

Upon the resignation of President Easley in 1910, Judge James D. Black, LL.D., of Barbourville, later Governor of Kentucky, became the fourth President of Union College. Under his management the material as well as the less tangible interests of the school progressed

with rapid strides. The two years of President Black's connection with the school will be remembered as years of solid growth.

For the next three years the school was under the leadership of President Percy L. Ports, for several years Professor of Natural Science in Union College, followed by that of Rev. E. R. Overley, President, together with B. C. Lewis as Vice-President and Business Manager. These were years in which there was a change taking place with regard to the scope and nature of the work that Union College should do in the future. The General Board of Education of our Church gave valuable assistance in setting a new program and in arranging for it to be carried out.

On June 30, 1915, Professor Ezra T. Franklin was elected President of Union College and given a general plan of procedure, which embraced a financial campaign for improvement and endowment. Another part of the plan was that special attention should be given to the religious interests and needs of the students and all others connected with the College.

Both these problems are being solved. The current expense budget has been balanced with current income and a good start has been made on the larger financial campaign. The Memorial Gymnasium was erected in 1919, and is one of the most beautiful and the most serviceable to be seen on a college campus anywhere.

The College plant has been more fully equipped, the campus has been enlarged from eight acres to twenty-five acres, and a modern home for the president was completed early in 1925.

The endowment has been very materially increased until it is now over $420,000, with a reasonable assurance of its reaching $500,000 in the near future.

On June the seventh, 1927, the College received the Mrs. Obed J. Wilson bequest, netting $46,362.50. This

is the net receipt from a $50,000 bequest left Union College by Mrs. Wilson to endow a professorship in honor of her father, the Rev. Francis Landrum, who was a trustee of old Augusta College, the forerunner of Union College, and an honored member of the Kentucky Annual Conference of the Methodist Episcopal Church. The professorship is to be known as The Francis Landrum Memorial Professor of Ethics and Moral Conduct. The Rev. Charles Clark Smith, A.M., S.T.M., D.D., is the first to fill this honored position. His work began in September, 1927.

The moral and religious life of the College receives equal consideration with the usual school work. No effort is spared in keeping before the students the highest and best moral and religious influences. The program is positive and not negative. Those who attend Union College are her best witnesses to the wholesome, earnest program for the best Christian character.

At the Board meeting in January, 1916, it was decided that the College Course proper should be restored as fast as possible. It was started in 1916-17 with gratifying results, and this bulletin presents a full college course, with nearly one hundred and fifty college students which we expect to see increased each year until we can take no more.

The University of Kentucky has given Union College the rating of a Standard Four Year College of A Grade. Union College is also a member of the Kentucky State College Association. The future of Union College is assured. The plant and equipment is worth over $300,000, and her endowment is sufficient to guarantee her continuance as a Standard College. She is developing rapidly and is destined to become one of the outstanding colleges of the country.

AIM

Life is a warfare. Then, shall we not be armed? In this, education is the sword, character the protecting shield. To vitalize the power of intellectual development;

to teach and form studious habits; to surround with refining influences; to appeal to the sense of right, the pride of manhood and womanhood; to enlarge the love of the Good, the True and the Beautiful; to increase lofty moral and social ideals; to lead to a Christian experience and to build a Christian character—these are the functions of the Christian College, and therein does it secure the harmonious development of the soul and prepare for the largest usefulness in life.

But education is a process, rather than a fulfillment; an acquiring rather than a completion. The school, then, can assist in the buckling on of the armor, but it may not make one fight. The well-poised school will teach faith in oneself, the value of self-reliance, and the dignity and ennoblement with which honest effort requites the worker. This, Union College endeavors to accomplish. And if it can teach the sons and daughters of its patrons to be "of quick perceptions, broad sympathies, and wide affinities; responsive, but independent; self-reliant, but deferential; loving truth and candor, but also moderation and proportion; courageous, but gentle; not finished, but perfecting," its mission will not have been a failure. Its methods proceed on the thought that morality in the best sense can be taught only through the inculcation of high ideals constantly kept before the mind of the student. Appeal is made to pride of honor in the student.

The aim, then, of Union College is the development of life and the formation of genuine Christian character. It interprets the meaning of life and sets itself the task of fitting young men and women for the manifold and responsible duties of Christian civilization.

CAMPUS

The front campus comprises about ten acres and is situated on the highest part of the town. The buildings are located at convenient distances from each other, while the intermediate space is filled with splendid shade trees. There are on the campus some twenty different varieties

of native trees. The buildings are connected with each other and with the street by cement walks. A deep well of pure, wholesome water is located on the front campus. There are tennis courts, besides ample room for croquet lawns on the campus. The grounds are lighted at night by four arc lights and several tungstens.

The athletic field lies immediately back of the campus and affords ample room for all kinds of field athletics. The whole grounds of the College comprise about twenty-five acres.

BUILDINGS

Administration Building—This is a well-proportioned three-story building, constructed of brick and concrete and trimmed with Tennessee marble. The building is steam-heated and lighted by electricity, as are all the buildings on the campus. It is scientifically ventilated. In it are the classrooms, library, President's office, chapel, laboratories, and the central dining hall. There are fourteen classrooms. These are equipped with single desks and slate blackboards. The building is equipped with an electric program clock system. The chapel is commodious and is seated with comfortable opera chairs. There are three laboratories — chemical, physical, and biological, whose equipment is described later. The dining hall, kitchen, and bakery are in the basement, occupying nearly the whole floor.

Fanny Speed Hall—This is the home for the young women. It is a three-story building of unique design. It has spacious halls and parlors and the rooms are neatly furnished. The building is supplied with bath rooms, toilets, and a laundry room where students are permitted to do their laundry, make candy, etc.

Stevenson Hall—This is a brick structure of colonial design, three stories high. The rooms accommodate two students each. It is on the opposite side of the campus from Fanny Speed Hall. The basement contains toilet rooms, and shower baths with cold and hot water.

Superintendent's Cottage—This is a splendid frame cottage with all modern improvements. The Superintendent of Buildings and Grounds occupies it.

Soldiers and Sailors Memorial Gymnasium—This new gymnasium was built as a memorial to the soldiers and sailors of the world war, and is the most beautiful building on the campus. It is one of the best college gymnasiums in the state. It is constructed of brick and Bedford stone.

The basement has a swimming pool, showers, toilets, lockers, and dressing rooms. The playing floor is 90x60 feet and gives ample room for all kinds of indoor athletics and physical exercises. The balcony is fixed for a running track. The whole building is well equipped.

PRESIDENT'S RESIDENCE

The President's residence is a beautiful brick veneer two-and-one-half-story modern home. It is well arranged for taking care of groups on occasions, and is modernly equipped and furnished.

Heat, Light and Power Plant—This is situated at a safe distance from the other buildings and contains the boiler, engine, dynamo and pumps. The location of this plant, together with the concrete and brick construction of the College buildings, places danger of fire as the remotest possibility. From this plan all the buildings are supplied with steam heat, electric light and water. The water is from two deep drilled wells.

EQUIPMENT

Library—The Speed-Stevenson Library, containing about seven thousand volumes, was established by Mrs. Fanny Speed, of Louisville, Ky., and Mrs. Stevenson, wife of the first President of Union College. The late Professor George H. Daines was a liberal contributor to it. A large number of books was donated by Drew The-

ological Seminary, through the kindness of Rev. S. G. Ayers, Librarian. Numerous reference books for the various departments are added each year. The Reading Room is supplied with many of the best secular and religious papers and current magazines. The students are thus able to keep themselves informed with respect to the daily news and familiarize themselves with the best modern literature.

The Honorable John H. Wilson of Barbourville, Kentucky, generously donated a large number of books. These books, embracing a wide range of useful information, constitute a valuable addition to the Library. A Conference Alcove has been founded and is maintained by the individuals of the Kentucky M. E. Conference. Its aim is to supply complete sets of the works of classic writers.

In 1917 we received two very liberal and much appreciated gifts of books for the Library.

Mrs. J. H. Good of Ashland, Ohio, sent us, through the *Western Christian Advocate,* a very excellent collection of books; and Mrs. E. J. Langdon, the mother of the late Professor Langdon, head of our English Department, gave the College Professor Langdon's private library, embracing a very large number of splendid books, which will remain on the shelves as a memorial to his great love for the College and his friendship for the students.

In 1918 Dr. E. C. Wareing, editor of the *Western Christian Advocate,* very graciously presented the College with several hundred splendid volumes.

In 1921 Rev. W. B. Collins, D.D., one time pastor of Trinity M. E. Church, Louisville, Ky., presented the College with his private library of several hundred volumes. The library has not received a more valuable collection. It will be known as the Collins Collection.

Mrs. F. E. Baldwin, of Elmira, N. Y., and Mrs. Mary E. Means, of Ashland, Ky., have promised $1,000 each

DINING ROOM, SWIMMING POOL AND GIRLS' PARLOR

for new books. They are paying it regularly and new books are being put on the shelves in every department. Mr. W. G. Bennett contributed a new Encyclopedia Britannica.

Rev. J. C. Arbuckle, D.D., of Columbus, Ohio, sent a good collection of books in 1926. Garrett Biblical Institute sent a valuable collection in 1926.

The College received $5,000 recently with which to buy new books and new equipment for the science laboratories. This will bring the library up to a high level of service.

MAPS—The College now has complete sets of historical maps covering Ancient, Modern and American History. These, together with many other maps and globes, make this equipment quite adequate to the needs of these departments.

LABORATORIES: *Chemistry.*—Accommodations are provided for seventy-two students at four tables. The tables are equipped with running water and natural gas, and the tops are acid-proofed. The equipment includes two excellent balances of analytical grade and four others somewhat less delicate, as well as automatic water still for supplying the required distilled water for analytical work. The stockroom contains ample glassware and chemicals for individual work in the inorganic, organic and analytical courses. An excellent hood has been installed with glass inclosure for working with bad-smelling or otherwise unpleasant gases.

Physics—In this laboratory, apparatus is provided for individual work in mechanics, heat, light, sound, magnetism and electricity. The aparatus includes a Hart optical disk, a standard steel meter stick, a wire testing machine, tortion apparatus, vapor pressure apparatus, harmonic motion apparatus, Wheatstone bridges, a laboratory electrical transformer, a barometer, a Westphal balance, a one-horse-power electric motor, static machines,

organ pipe, sonometer, diffraction apparatus, an electrically driven Nelson vacuum and pressure pump, and other modern standard equipment.

Biological—In these are provided dissecting sets and microscopes for work in botany and zoölogy. There are twenty-one compound microscopes, fourteen with filar micrometer eyepiece and oil-immersion objective, magnifying one thousand diameters. There are numerous zoölogical specimens preserved in formalin. For work in physiology there are two human skeletons, a model of the human trunk, and numerous important charts. The equipment comprises also a stereopticon with microscope attachment and a large number of lantern and microscope slides covering many subjects.

DOMESTIC SCIENCE

Sewing Room—The Sewing Room is equipped with Singer sewing machines, tables, mirror, and such other equipment as is necessary for the work in that department.

Kitchen—The Domestic Science Kitchen is fully equipped with gas stoves, ovens, water, dishes and cooking utensils.

Mathematics—Hardwood models of the various geometric forms are provided. Drawing boards and accessories are provided for classroom work in geometry. Each student is expected to own an inexpensive pair of compasses for home use. For the course in surveying the department has one transit, one level, two compasses, and the usual accessories, including a hundred foot tape, which has been tested by the United States Bureau of Standards and guaranteed accurate to within .02 of an inch.

Music—The College owns eight upright pianos, and the chapel is graced with a concert grand for public services and concerts.

Power Plant and Shop—For lighting, the College owns a forty-horse-power Skinner automatic engine, direct-connected with a James Clark, Jr., 25 K. W. direct current dynamo. There are three steam pumps for drawing pure water out of deep wells. In the shop is one screw-cutting lathe, gas engine and dynamo, drill-press and a full complement of metal and wood-working tools.

Fire Protection—The buildings are furnished with twenty hand chemical fire extinguishers. The students are instructed in the use of these at the beginning of each session. Large water pipes run into the buildings with water hose attached on each floor.

SANITATION

All the water used for drinking purposes at the College comes from deep wells from which the surface and quicksand waters have been eased off. There is an espcially fine well near the Girls' Dormitory which is 100 feet deep and furnishes pure, soft water from the deep-lying sandstone. This is used in the dining-room. The College has a modern sewerage system, extending half a mile to Richland Creek. The bread and pastries used are baked in the College Bakery. The rooms of the dormitories and Administration Building are thoroughly disinfected during vacation.

GOVERNMENT

Proper control and guidance of a student body are of such great importance that too much attention can not be given to them. The principle of government is self-control and self-direction. The plan of developing the good is adopted. This produces the best results in character building. The students who are not amenable to rules of right living and who do not respond to the appeals to a moral life, or who waste the time in idleness will be asked to leave.

Dormitory life places the control of the student body at best advantage for easy direction in conduct, as well as

best direction in study. Coöperation from the homes of the students is a necessity. This is earnestly solicited.

It is of greatest importance that the student be here on the first day of the semester.

The student's dress should be simple, not elaborate or faddish. The dormitory student is required to keep his room and its contents in good condition. Students' rooms are subject to inspection by proper authorities at any time.

Due consideration, under proper supervision of the Faculty, is given to the developing social nature of the young people. Indiscriminate mixing of the sexes is not permitted, but frequent social gatherings, under the direction of the Preceptress, are held. These give the student the culture that is demanded today of educated men and women. Our dormitory ideal is the home life of a well-ordered Christian home.

Each student is required to be in attendance at Sunday School and the Sabbath morning preaching service. It is also expected that each student shall attend all religious services held under the direction of the College. The attendance at daily Chapel service is required.

Students are expected to pay for breaking and defacing of property. A deposit is required. See *expenses.*

The use of tobacco on the campus, profanity, and obscene language is positively prohibited, also the reading of trashy literature.

No boarding student will be allowed to room or board off the campus without permission of the President.

No student is allowed to leave town without permission, and girls must have proper chaperonage.

Any student before quitting the school is required first to notify the President and make a settlement of any unpaid bills.

RELIGIOUS INTERESTS

Union College is endeavoring to do a class of work which will justify the support of the Methodist Church

and Christian people in general as well as other philanthropists who want a specific moral and Christian atmosphere about student life.

To this end the chapel exercises are directed. Twenty minutes each school day are spent in whole-hearted singing, scripture reading, prayer, and a pointed address on some vital subject pertaining to character building after the best Christian type. Revivals are also a part of our religious program. All students are urged to become Christians and to unite with some church. Nearly every student not previously a Christian becomes converted.

Wednesday evenings, between supper and study hour, we have a meeting of Scripture reading, prayer, singing, testimony and praise.

DROPPING WORK

After once enrolling in a class the student can not drop the work except by the consent of the Dean and the teacher in charge.

MAIL

The College mail carrier will collect all out-going mail from the dormitories and Administration Building each morning and afternoon and will deliver the in-coming mail likewise.

THE JOSHUA S. AND ELIZABETH TAYLOR SCHOLARSHIPS

The Rev. Joshua S. Taylor and Mrs. Elizabeth Taylor, of Middleburg, Ky., left to Union College the sum of $3,100, the income of which is to be used to help men studying for the ministry in the Methodist Episcopal Church in Kentucky.

The Board of Education has ruled that this money may be spent on the basis of need together with the promise of future service to the Church. That is to say, a young man who is studying for the ministry in the Methodist Episcopal Church, who needs some financial assistance,

and who has promise of making a useful man, will receive help, rather than the man who needs no financial help or the man who is comparatively indifferent about his call to the ministry. It is a real pleasure to help the young man who is dead-in-earnest and needs help.

Application for a Taylor Scholarship should be made to the President of the College.

ATHLETICS AND PHYSICAL TRAINING

Athletics at Union College are kept on a very high ethical plane and everyone participating is in a character-building exercise as well as wholesome sport. Interclass games are one of the leading features of athletics at Union College. Almost everyone that has any desire for athletics has a splendid opportunity to play.

Union always has good teams. The whole College and community like sports. The major sports are football, basket ball, baseball, tennis and swimming.

All students are expected to take two hours a week in physical training under one of the physical trainers. The gymnasium is supplied with all kinds of apparatus for giving the needed exercises. Every student will be taught to swim. The pool is open to boys three days a week and to girls three days a week. The water is kept in a pure condition by changing, filtering, and chemical treatment.

BOARDING STUDENT'S OUTFIT

Boarding students should bring the following articles: Large pillow slips, sheets, pair of blankets, quilt, counterpane, towels, napkins, and covers for bureau and washstand. The young men will provide for single beds.

Expenses

All bills are charged by the semester and are payable in advance. It is expected that bills be paid when the student enrolls. They must be paid within ten days or the student will be dropped from school.

There will be no reduction of general tuition for those entering two or three weeks late since it requires extra care to bring the student up with his classes.

If a student takes Music or Expression for less than a term or fewer than two lessons a week, the lessons will be at a higher rate than by the term.

Credit for board will be allowed at the rate of $3.50 a week where a student enters late or leaves before the close of the term.

Bring enough money, or preferably a check or draft, to pay tuition and board for a semester. Save a little for books and incidentals.

PARENTS! Please do not furnish very much spending money to your children. It becomes a menace to their work and they become a nuisance to the school.

See pages 19 and 22 for Government and Boarding Student's Outfit.

TUITIONS

	First Semester	Second Semester
College	$40.00	$40.00
Academy	25.00	25.00
Normal	25.00	25.00
Expression—Two lessons a weeks	27.00	27.00
One lesson a week	15.00	15.00
Piano—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00
Voice—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00
Harmony or History	10.00	10.00
Violin—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00

Reed or Wind Instruments—Same as Violin.

LABORATORY AND RENTAL FEES

	First Semester	Second Semester
Zoology	$ 3.00	$ 3.00
Physics	3.00	3.00
Chemistry 1	4.00	4.00
Chemistry 2	6.00	6.00
Piano rental, one hour daily	4.50	4.50

BOARD AND ROOM

	First Semester	Second Semester
Board and room, including light, heat, water, and mail service	$90.00	$90.00

MISCELLANEOUS

Breakage deposit in Boys' Hall, refunded when key is turned in if everything is in good condition $5.00
Same, in Girls' Hall 2.00

All girls living in Speed Hall will pay fifty cents a semester for the use of electric irons for ironing and pressing.

Special Examination 1.00
College, Academic or Music Diplomas 5.00
Student Activity fee, per semester 8.00

(This fee is paid by all students and covers all expenses for gymnasium, admission to athletic games, all sports, lyceum, and a subscription to the College paper, *The Orange and Black.*)

Certificates in Music Courses 1.00

Total expenses for board and room, tuition and Gymnasium and Student Activity fee for the different departments are as follows:

	First Semester	Second Semester	Year
College	$138.00	$138.00	$276.00
Academy or Normal	123.00	123.00	246.00

LIBRARY, GYMNASIUM AND CLASS ROOM

REFUNDING

No fees will be refunded.

No tuition will be refunded. But in case of protracted sickness when the student has to drop out of the term's work a non-transferable due bill will be given covering tuition for the time lost.

If private lessons in music or expression are missed by the fault of the teacher or school, they will be made up or the tuition refunded for the time lost. If the student fails to report for lessons the College will not be responsible, and there will be no refunding of tuition.

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College of Liberal Arts and Sciences

ADMISSION FROM ACCREDITED HIGH SCHOOLS

Graduates from High Schools on the accredited lists as shown by State Departments of Education or other reputable standardizing agencies will be admitted to the Freshman Class upon presentation of a certificate signed by the principal or superintendent of such a high school. Blank certificates may be obtained by writing the President of Union College, Barbourville, Ky.

ADMISSION BY EXAMINATION

Candidates for admission who are not graduates of accredited high schools will be required to take thorough examinations to establish their scholarship before being admitted.

REQUIRED

Algebra	1
Geometry	1
English	3

ELECTIVES

English	½ to 1
Latin	1 to 4
French	2
Spanish	2
Solid Geometry	½
Physics	1
Physical Geography	½
Botany	½ or 1

ELECTIVES

Zoology	½ or 1
History	1 to 4
German	2
Physiology	½
Chemistry	1
General Science	½ or 1
Greek	2
Economics	½
Psychology	½
English Bible	½ to 1
*Bookkeeping	1
Domestic Science	1 to 2
Manual Training	1
Mechanical Drawing	1
Music	1 or 2

ENTRANCE SUBJECTS

To enter College the student must present at least fifteen "units" of high school work. A "unit" is the

*Not more than four units may be offered in Bookkeeping and the subjects listed after it and other vocational subjects.

amount of work done in a standard high school running thirty-six weeks with at least forty minute recitation, five days a week. Double periods are required for laboratory work.

ADMISSION TO SPECIAL STUDENTS

As a rule students desiring to pursue college work will be entered in a regular class looking toward graduation, yet under exceptional circumstances students who are not candidates for a degree may be permitted to take selective studies. However, such students must satisfy the faculty that they are able to take with profit the work selected. Each case will be decided on its own merits.

ELECTIVE WORK

Every subject in any regular course will be taught as scheduled, however few demands there may be in that course for that subject; but all electives must have a reasonable number of students before the formation of such a class will be obligatory upon the institution. But if deemed expedient by the President and Professor in charge of the course, a class may be formed for any number whatsoever.

Any course in the regular College courses may be elected by students in whose regular course it does not appear, but credit will not be given on a new language for less than six hours.

Students who present for entrance, work that is required in the College will have the privilege of electing that much more of their College Course.

ADVANCED STANDING

Advanced standing will be given students who present work done at other institutions of like grade. Work done at institutions on the trimester plan will be accredited at proper ratio. No student should expect to receive full credit for work done at institutions not having equal

entrance requirements. Enough to satisfy the entrance requirements will be deducted and the remainder will be accredited.

REQUIREMENTS FOR GRADUATION

The Bachelor of Arts Degree (A.B.) will be conferred upon the completion of 124 semester "hours," including the required work and a major and two minors to be chosen by the student not later than the beginning of the Junior year.

Four of the 124 hours required for graduation should be taken in physical education during the Freshman and Sophomore years, one hour each semester.

The "hour" is the work done in a class meeting one period each week for a semester. Two periods of laboratory work is equal to one hour of class work.

The required work is listed and the amount of elective work is stated under the curriculum. When the major and minors are selected the amount of elective work will be reduced accordingly.

A major subject and two minor subjects must be chosen not later than the beginning of the Junior year. One must be correlated to the major subject. The other minor may be selected from any field approved by the professor in charge of the major subject together with the Dean.

The work in the major subject will cover not less than twenty-four hours nor more than thirty-six hours and a minor not less than twelve hours.

The specific requirements of all candidates for the bachelor's degree are

English—Six hours in English Composition. Six hours in English Literature.

Foreign Language—Twelve hours. A beginning course in Foreign Language may not count toward this requirement unless a second year is taken in the same language.

History, Political Science and Economics—Twelve hours. If two or more units of History are offered for

entrance, the requirement may be reduced to nine hours. If a course in Modern History is not offered for entrance, Modern History must be taken in college. In any case, at least six hours in History and three hours in Political Science or Economics must be taken.

SCIENCE AND MATHEMATICS—One year in Biological Science and one in Chemistry or Physics. If a satisfactory laboratory course was taken in junior or senior years of High School in Biology, Chemistry or Physics, that subject may be substituted with either Mathematics or some other science.

BIBLE, RELIGIOUS EDUCATION, PSYCHOLOGY—Six hours in Bible, three hours in Religious Education and three hours in Psychology.

QUALITY OF WORK

The one hundred twenty-four semester hours of work must be of such a character as to make at least one hundred twenty-four "points" on the following scale:

One semester hour completed with a grade A counts three points.

One semester hour completed with a grade B counts two points.

One semester hour completed with a grade C counts one point.

Grades below C do not count for points.

EXAMINATIONS AND GRADES

Written tests are given at the end of the sixth and the twelfth week of each semester and final examinations at the close of each semester. Test and examination grades, together with the daily grade, constitute the semester grade. Grades are reported in letters as follows: A, B, C, D, E, F, I, and W. Grade A means *excellent;* grade B means *good;* grade C, *fair;* grade D, *unsatisfactory;* grade E, *conditioned;* grade I, *incomplete;* grade W, *with-*

drawn; grade F, *failed.* If the student is carrying extra work no D grade and only one C grade a term will count towards graduation. No completed course will be marked E. Only a continued course will be marked E when the teacher thinks the student may make up the deficiency before the course is completed. If the student does not make up the deficiency the whole course will be marked F. A grade of F means that the course must be dropped. If for good reason presented to the teacher, the student receiving grade F desires to take another examination, the teacher may give it upon receipt of order for special examination. Credit toward graduation will not be given on a course not completed, except in certain courses where the work done will justify.

An order for special examination may be obtained at the Office by paying a fee of $1.00. Examinations other than those set for the class shall be classed "special examinations," and can not be held except by order for same.

The object of this ruling is two-fold. 1. To assure attendance upon examination. 2. To spare a busy teacher the waste of time.

HONORS IN SCHOLARSHIPS

Honors in scholarship are recorded on the diplomas of the students winning them, and published on the Commencement program.

Honors in General Scholarship—two grades of honors, designated respectively as honors (*cum laude*) and high honors (*magna cum laude*) are conferred at graduation upon students who satisfy the following conditions of scholarship:

Honors in general scholarship are awarded to those students who have attained a grade of A in 60 hours of the total required for graduation, and a grade not lower than B in 40 hours more.

High honors are awarded to those students who have attained the grade of A in 100 hours of the total required for graduation.

Students completing more than 124 hours for graduation, must attain the same ratio of hours in A and B.

Students coming from other colleges may receive general honors on completing two years of resident study and satisfying the conditions of scholarship prescribed by the Faculty; provided they furnish also such evidence of high scholarship in the institution from which they came as may, in the judgment of the Faculty, entitle them to become candidates for honors under the regulations.

CURRICULUM

Freshman

FIRST SEMESTER		SECOND SEMESTER	
English Composition	3	English Composition	3
Foreign Language	3 to 4	Foreign Language	3 to 4
Science	4 to 5	Science	4 to 5
*History, Mathematics or Education	3	*History, Mathematics or Education	3
Bible	2	Bible	2

Sophomore

English Literature	3	English Literature	3
Foreign Language	3	Foreign Language	3
Science or Mathematics	3 to 5	Science or Mathematics	3 to 5
†Elective	6 to 8	Electives	6 to 8

Junior

Psychology	3	Religious Education	3
‡Electives	12	Electives	12

Senior

‡Electives	15	Electives	15

*A student expecting to make a certificate to teach at the end of his Freshman year should take three hours in Education each semester, otherwise he should take History or Mathematics.

†If History was not taken during the Freshman year it should be taken during the Sophomore year. If a student is working for a life certificate he must take three hours in Education each semester, making a total of twelve hours in Education.

‡Any required work in the History group, Foreign Language group, or other group requirements not finished during the Freshman and Sophomore years should be finished during the Junior year, if possible.

Major and Minor requirements must be kept in mind in making a schedule for the Junior and Senior years.

College Department of Instruction

DESCRIPTION OF STUDIES

Union College reserves the right to withdraw any course for which the enrollment does not justify its continuation.

The courses are numbered according to the following plan:

(a) The courses of each department are divided into four groups, corresponding approximately to the freshman, sophomore, junior and senior years.

(b) The following numbers are used for the various groups respectively: 100-199, 200-299, 300-399, 400-499.

(c) Unless otherwise stated, students of any rank who have had the required prerequisites are eligible for admission to the courses of any group.

First semester courses have odd numbers and second semester courses have even numbers. Example: 131 is an elementary first semester course; 132 is an elementary second semester course.

(d) Repeated semester courses retain the same number, regardless of the semester in which they are given.

(e) The middle digit of each number indicates the number of hours in the course. Example 131 is a three hour course.

ENGLISH

The English work is fundamental to all other courses. All students are required to take courses 131-132, 231-232 and are encouraged to take as much more as they have time to give to this field.

Students majoring in English will take courses 331-332 and elect at least eighteen hours more from the other courses under the direction of the head of the department.

For a minor in English take courses 331-332, and at least six hours more selected under the advice of the department.

Those majoring in English will take one minor in Latin, French or History.

DEPARTMENT OF ENGLISH

PROFESSOR ABIGAIL E. WEEKS
MRS. ETNA DOOP SMITH

ENGLISH 131-132—*Composition.* The purpose of this course is to train the student to use the English idiom with a reasonable degree of accuracy, force, and ease. Success depends upon a knowledge of principles, a study in application of principles, and upon tireless practice. Many themes are required; these are criticized by the instructor, and personal conferences held at his discretion. Instruction is flexible in methods; freshness and variety are constantly sought. Required of all Freshmen.

Three hours a week throughout the year.

ENGLISH 221-222—*The Scribblers' Club—Advanced Composition.* Open to all College students who like to scribble. Its purpose is to develop organization, fluency, vocabulary, and style. The first semester is given to an elementary course in Journalism, with the publication of *The Orange and Black* as a laboratory project.

The second semester is given to advanced Composition, with frequent study of forms from current literature. Original stories, essays and plays are written.

Two hours throughout the year.

ENGLISH 223-224—*Public Speaking.* This course is an elective to any student who wishes a course in public speaking. It is designed to give the fundamentals of voice control and platform appearance, together with the acquiring of ability to think on one's feet before an audience. Frequent memory gems and original speeches are required of all students.

Two hours throughout the year.

ENGLISH 231-232—*Literature.* A rapid survey of the development of English Literature from Beowulf to the present, as a background for all further study of Literature. Collateral reading with reports is a regular part of the work. Required of all Sophomores.

Three hours throughout the year.

ENGLISH 233—*College Grammar.* Open to all who feel their need of a course in Grammar.

First semester, three hours.

ENGLISH 234—*Word Study.* This course aims to give students a vital interest in words as living things, and to increase their delight in acquiring new words for every day use.

Second semester, three hours.

ENGLISH 321-322—*The Bible as Literature.* This course aims to teach as literature, the stories, the poetry, the drama, with something of the philosophy of the Bible, applying the principles of

literary art to the greatest single collection of literature in the world. Elective for Sophomores, Juniors, and Seniors.
Two hours a week.

English 331-332—*Elements of Literary Criticism.* A study of the principles of criticism, with abundant opportunity to apply these principles to current criticism, and to literature itself. Required of all who major in English.
Three hours throughout the year.

English 333-334—*American Literature.* In general parallels Course 231-232.

English 335—*Lyric Poetry.* From Shakespeare to the present time.
First semester, three hours.

English 336—*Epic Poetry.* The Æneid, The Divine Comedy, and Paradise Lost.
Second semester, three hours.

English 421-422—*Methods of Teaching English.* Open only to Juniors and Seniors who expect to be teachers of English in the High School.
Two hours throughout the year.

English 431—*Modern Poetry.* A detailed study of Tennyson and Browning. Open only to Juniors and Seniors.
First semester, three hours.

English 432—*Poetry of Today.* American Poets. English Poets. One-half semester each.
Second semester, three hours.

English 433—*Drama.* Study of Shakespeare with the transition period to Ibsen.
First semester, three hours.

English 434—*Modern Drama from Ibsen to Shaw and O'Neill.*
Second semester, three hours.

English 435—*Nineteenth Century Poetry.* A study of the period of transition from the later Romanticism to the spirit of the nineteenth century proper will precede the regular work which will include a detailed study of the poetry of Arnold, Clough, Browning, Tennyson, Rossetti, and Swinburn.
Three hours, first semester.

English 436—*Nineteenth Century Prose.* This course parallels Course 435, covering the prose work of Newman, Arnold, Ruskin, Carlyle, Macaulay and others.
Three hours, second semester.

BIBLE, RELIGIOUS EDUCATION AND MORAL PHILOSOPHY

PROFESSOR CHAS. CLARK SMITH

The work in Bible is a literary, historical, social and devotional study of the English Bible with a view to making scholarly and genuine Christian citizens. The work is presented with such thoroughness and appreciation as to remove a too frequent feeling that such study is not worthy of the time of people of affairs.

Religious Education and Moral Philosophy are presented so as to include the best known principles and practices of Christian Education in religion and morals.

BIBLE 121-122—*The Words of Jesus.* The accepted words of Jesus arranged in chronological order and studied somewhat detached from the writings of the Apostles. Jesus' teachings from the nucleus around which we must build our Christian beliefs and hence are of utmost importance.

BIBLE 135—*The Birth of the Christian Church.* Historical and interpretive study. The course covers the rise of the early Christian Church under the Apostles. The Book of Acts will be studied in detail. Methods and material for Bible teaching will be in mind. American Standard Bible used as text.
First semester, three hours.

BIBLE 136—*Old Testament.* Survey of social institutions and ideals of the Old Testament. A topical study emphasizing the principle of development in the production of the Old Testament literature should familiarize the student with Old Testament material and introduce him to problems of interpretation.
Second semester, two hours.

BIBLE 223—*Life of Christ.* A study of the life and work of Jesus based on the four Gospels with special reference to the social, political and economic background of New Testament times. Each student will write his own life of Christ. This course will be given in sections to meet the need.
First semester, two hours.

BIBLE 224—*The Life and Teachings of Paul.* Saul of Tarsus the missionary and scholar, made such a great contribution to the New Testament that a study of his life and writings is essential to any working knowledge of the Bible. He is the theologian of the New Testament and master worthy of careful study.

MORAL PHILOSOPHY 232—*Christian Ethics and Christian Sociology.* These courses will study ethical and social theories and practices of the past and present in the home, state, nation, and world activities, and apply the best Christian tests known to present Christian leaders.
Three hours throughout the year.

RELIGIOUS EDUCATION 331—*Philosophy of Religion.* A course dealing with the philosophical principles underlying the study of religion. Modern religious problems demand an intelligent analysis and a proper faith must be founded on reasoned out facts. A course designed to help in solving problems in religion and moral conduct.
First semester, three hours.

RELIGIOUS EDUCATION 332—*Old Testament History.* A knowledge of Old Testament History is fundamental to Bible study. Biblical History is as valuable as any history, in addition to the light it throws upon the interpretation of Biblical teachings. Any student who plans to each in Sabbath School or elsewhere should take this course, so as to be equipped for careful teaching.
Second semester.

RELIGIOUS EDUCATION 432—*Psychology of Religion.* This course deals with psychic activities belonging to religious experiences.
Second semester, three hours.

FRENCH

PROFESSOR FLORENCE M. CATE

The aim of these courses is to give the student a knowledge of the language both written and spoken, to appreciate the literature, a general knowledge of the history and development of the languages.

For a major in French take courses 231-232, 331-332, 431-432. Students majoring in French are advised to take course 321-322 also.

For a minor in French take courses 231-232, 331-332.

FRENCH 141-142—*Elementary French.* Fraser and Squair is used as a grammar and reference book. Oral conversation and written work. Reading of one easy prose book.
Four hours throughout the year.

FRENCH 231-232—*Intermediate French.* Reading of such authors as Mérimee, Dumas, George Sand, Labiche and Martin. Memoriz-

ing of poems. One paper written in French. Conversational French to a large extent.

Three hours throughout the year.

FRENCH 321-322—*French Prose Composition.* This course aims to give the student a better knowledge of writing and speaking French. Open to students who have complete Course 2.

Two hours throughout the year.

FRENCH 331-332—*French Literature in First Half of Nineteenth Century.* Study of Victor Hugo, Lamartine, Alfred de Vigny, Alfred de Musset, Chateaubriand. Study of the literature of this period by collateral reading. Open to students who have completed Course 2.

Three hours throughout the year.

FRENCH 431-432—*French Literature.* A study of Drama. The reading of such writers as Corneille, Racine, Moliere. Outline of the literature of this period.

Three hours throughout the year.

HISTORY, POLITICAL SCIENCE AND ECONOMICS

PROFESSOR ARTHUR M. HYDE

Major, 28 semester hours; minor, 18 semester hours. Courses 131-132, 231-232 or 233-234 are prerequisite to the more advanced courses in history. The courses in economics and political science are not to be taken by freshmen except by special permission.

History

HISTORY 131-132. This course has to do with the development of Europe from 1500 to the present time. Of special importance in this course are the intellectual, religious, economic, political and social changes which come with the Protestant Revolution of the sixteenth century, the French Revolution of the eighteenth, the Industrial Revolution of the eighteenth and nineteenth centuries and the very important changes in various fields which come with the nineteenth and twentieth.

Three hours throughout the year.

HISTORY 231-232—*History of Great Britain.* Attention is paid to the social and economic development as well as to the political.

Three hours throughout the year. Omitted in 1928-29.

HISTORY 233-234—*History of the United States.* The European background, colonial life, rivalry with the French, the breaking

away from Great Britain, the making of our Constitution and the beginning of our national life are studied the first semester; the Civil War and Reconstruction, the expansion toward the west, our industrial growth, receive especial attention the second semester.

Three hours a week throughout the year.

History 331—*History of Medieval Europe.* Of special interest because of its institutions which form the basis of those of modern times, such as feudalism, the city state, the beginnings of the national state, the Church, the Holy Roman Empire.

Three hours, first semester.

History 332—*History of the Reformation.* Social, intellectual, economic and political changes, important to an understanding of the modern world.

History 431—*History of the French Revolution and the Napoleonic Period.* A study of the period 1789-1815, with considerable attention to conditions leading to the events of that period. The study is significant as an expression of ideals developing in the eighteenth century and influential in the nineteenth and twentieth.

Three hours, first semester.

History 432—*Twentieth Century Europe.* A study of Europe before, during and since the World War.

Three hours, second semester.

Courses in Political Science

Political Science 221-222—*The Problem of Government.* A study of the principles and structure of American government. Emphasis upon its actual workings and upon current problems. Historical development, organization, powers, limitations, of the government, and treatment of sovereignty, citizenship and nationality, electorate, and governmental powers.

Two hours a week throughout the year.

Political Science 321-322—*History of American Foreign Relations.* Treaties we have made and principles upon which we have acted in our international relations.

Two hours throughout the year.

Courses in Economics

Economics 221-222. Especial attention is given the first semester to the fundamental principles and the second semester to their application.

Two hours throughout the year. Omitted in 1928-29.

LATIN

PROFESSOR FLORENCE M. CATE

The object of the Freshman year is to learn to read Latin with ease. After that emphasis is given to Roman literature, Philosophy, and Roman life.

For a major in Latin take courses 131-132, 231-232, and twelve hours additional.

For a minor in Latin take course 131-132 and six hours additional.

Those majoring in Latin will take one minor in English or French.

LATIN 131, 132—*Literature.* Livy's History, Books XXI and XXII. First semester, Cicero, De Senectute and De Amicitia. Second semester, prose composition and sight reading.
Three hours throughout the year.

LATIN 231, 232—*Literature.* The Odes and Epodes of Horace. First semester, selected letters of Pliny the younger to illustrate especially the state of Roman society at the close of the first century after Christ.
Three hours throughout the year.

LATIN 233, 234—*Roman Life and Civilization.* Lectures and assigned reading on the public and private life of the Romans. Special emphasis upon the influence of Roman civilization on modern life. This course does not count on a Major or Minor.
Three hours throughout the year.
Open to all college students.

LATIN 321, 322—*Roman History.* Suetonius' Lives of the Emperors. A more detailed and intimate study of the First Century, A.D. The Histories of Tacitus. The same period of Roman History from a more critical viewpoint. Open to those who have had Latin 131-132.

LATIN 331, 332—*Silver Latin.* Selections from the Satirists, Persius, Juvenal and Petronius. *History.* The Annals of Tacitus I-VI, three hours a week. Open to those who have had Latin 131-132.

LATIN 431, 432—*Roman Literature.* A historical and critical survey of Roman literature from the third century B.C. to the fifth century A.D., given by lectures, a text-book, collateral readings in Latin and English. Some brief outline of philology will also be taken up. Three hours a week for the year. Elective for those who have had Latin 131, 132, 231, and 232.

MATHEMATICS

PROFESSOR JOHN B. WOLFE

Major, 24 hours.
Minor, 12 hours.

MATHEMATICS 130—*Solid Geometry.* A course based on a standard text. Plane Geometry prerequisite.
Three hours, one semester.

MATHEMATICS 131—*College Algebra.* This course presupposes a thorough knowledge of elementary algebra. Chief topics: Rapid review of the fundamentals of algebra, progressions, permutations and combinations, probability, complex numbers, logarithms, theory of equations, determinants. Prerequisite: One and one-half units of Algebra.
Three hours, one semester.

MATHEMATICS 132—*Plane Trigonometry.* A beginning course in trigonometry. Emphasis is placed upon trigonometric equations and transformations as well as systematic and accurate computation in the applications. A Freshman course.
Three hours, one semester.

MATHEMATICS 231-232—*Analytic Geometry.* The fundamental notions of Plane and Solid Analytic Geometry. Prerequisites: Courses 131 and 132.
Three hours throughout the year.

MATHEMATICS 331-332—*The Calculus.* Elements of calculus, including differentiation, integration, Maxima and Minima, plane curves and areas. Prerequisite: Courses 131, 132, 231, 232.
Three hours throughout the year.

MATHEMATICS 431—*History of Mathematics.* A reading course open only to those whose knowledge of the content of Mathematics is sufficient to enable them to take the course profitably.
Three hours, first semester.

MATHEMATICS 432—*Plane Surveying.* Elementary theory and practice with sufficient field work to ensure familiarity with the ordinary surveying instruments and methods. Mapping and the solution of problems such as arise in land surveying and engineering. Prerequisite: Course 132.
Three hours, second semester.

EDUCATION

PROFESSOR FREDERICK W. STEACY

A Major requires thirty hours; a Minor eighteen hours.

Candidates for the Provisional Elementary Certificate (College Grade) ought to take Education 131 and 132 and

are advised to take one course in English Composition, one in a Laboratory Science and one in History or Mathematics or a Foreign Language.

Candidates for the Standard Elementary Certificate (College Grade) ought to take Education 131, 132, 231 and 251 (or 252).

Candidates for the Provisional High School Certificate ought to take Education 133, 132, 231 and 332.

Candidates for the Standard High School Certificate ought to take Education 133, 132, 231 and 332 and are advised to take enough other courses in Education to make a Minor.

Elementary School Methods 131. This course is professional. It is designed for those only who desire to teach in elementary schools. It describes the methods of teaching elementary school subjects. Lesson plans receive much attention. Difficulties in the various subjects are examined. Prerequisite: Open to Candidates for Elementary School Certificates (College Grade). Textbook: Technique of Teaching, by S. E. Davis; Macmillan Co. Readings are assigned in various other standard textbooks.

Classroom Management 132. This course is professional. It is designed for those only who desire to teach in any Elementary or High School. It describes the approved ways of directing and controlling classes. Many topics are discussed, e.g., Attendance; Order; Discipline; Incentives; Penalties; Promotion; Time tables; Assignments; Recitations; Aims; Teacher's personality, training, growth, health, recreation. Prerequisite: Open to candidates for Public School Certificates (College Grade). Textbook: Classroom Organization and Control, by J. B. Sears; Houghton Mifflin Co.

High School Methods 133. This course is professional. It is designed for those only who desire to teach in High Schools. It describes the methods of teaching High School subjects. Lesson plans receive much attention. Difficulties in the various subjects are examined. Prerequisite: Open to candidates for High School Certificates. Textbook: Teaching of High School Subjects, by W. A. and H. H. Millis; Century Co.

General Psychology 231. This course is required for graduation. It assumes a general knowledge of the anatomy and physiology of the nervous system; therefore, only a brief review of this topic is given. Emphasis is laid upon sensation, instinct, association, imagery, attention, perception, memory, reasoning, concept, judgment, proof, emotion, will, fatigue, sleep, the self. Prereq-

uisite: Open to Sophomores who have taken Education 131 and 132 or Education 133 and 132. Open to Juniors. Textbook: Fundamentals of Psychology, by W. B. Pillsbury; Macmillan Co.

History of Education in Foreign Lands 223. This course has cultural value for all students; it has both cultural and professional value for all teachers. It deals with educational development and customs among primitive and barbarian peoples, Ancient Greeks, Ancient Romans, Early and Medieval Christians, Medieval Moslems, Modern European Nations. Prerequisite: European History from the founding of Athens to modern times. Textbook: History of Education, by E. P. Cubberley; Houghton Mifflin Co.

History of Education in the United States 224. This course has cultural value for all students; it has both cultural and professional value for all teachers. It deals with Educational development and customs in the United States from 1620 to the present time. It describes Dame Schools, Arithmetic Schools, Latin Grammar Schools, Academies, Kindergartens, Elementary Schools, High Schools, Colleges, Universities, Technical Schools, Professional Schools. Prerequisite: Education 223; United States History. Textbook: Public Education in the United States, by E. P. Cubberley; Houghton Mifflin Co.

Practice Teaching 251, 252. This course is professional. The student prepares lesson plans and teaches in the first six grades of the Barbourville Public School. Ninety periods of fifty minutes each, of actual teaching in the presence of a Critic Teacher or of the Professor of Education, are required by custom for the Standard Elementary Certificate (College Grade). Prerequisite: At least thirty-two hours, including Education 131, 132, and 231. Textbook: Various readings in the Library on methods and control.

Mental Tests and Measurements 321. This course is professional. It is designed for those only who desire to teach. It deals with standardized methods of testing pupils chiefly in Elementary School subjects, with methods of aiding pupils to improve, with some High School subjects and with some general intelligence tests, e.g., the Binet-Simon series. Many standardized tests are examined and criticized. Methods of administering and of scoring the tests are explained. Simple statistical terms and processes are made clear. Prerequisite: Education 131, 132, and 231, or Education 133, 132, and 231. Textbook: Measuring the Results of Teaching, by W. S. Monroe; Houghton Mifflin Co.

Educational Psychology 332. This course is professional. It is designed for those only who desire to teach. This course deals with the mental processes and some physical processes in learning; Variations, correlations and sex differences in human

capacities; Inheritance of mental traits; Rate and progress of learning; Transfer of training; Methods of studying; Simple methods in statistics; Principles of grading and promoting pupils; Probability and ogive curces. Prerequisite: Education 231. Textbook: Educational Psychology, by Daniel Starch; Macmillan Co.

Social Psychology 334. This course has cultural value for all students. It is designed chiefly for those who desire to deal with people in the mass, e.g., ministers, lawyers, teachers, superintendents, executive officers, foremen, contractors, politicians, statesmen, advertisers, authors, platform speakers. It deals with the mental contents and attitudes of groups of people, such as the aggregate, the assembly, the congregation, the crowd, the mob; with human nature in various aspects; with convention, custom, suggestion, fashion, morale, opinion, genius, racial peculiarities, group control. Prerequisite: Education 231. Textbook: Fundamentals of Social Psychology, by E. S. Bogardus; Century Co.

Philosophy of Education 431. This course is professional. It is designed for those only who desire to teach. It deals with the Aims of Education; Readjustment; Heredity and Education; Society and Education; Ways of learning; Reason; Formal discipline; Imitation; Play; Educational agencies. Prerequisite: Education 332. Textbook: Textbook in the Principles of Education, by E. N. Henderson; Macmillan Co.

Educational Sociology 432. This course is professional. It is designed for those only who desire to teach. It deals with the nature and the function of the school; utility as a criterion for curriculum building; vocational guidance; educational agencies; methods of finding the objectives of education; analyses of social efficiency and of cultural education. Prerequisite: Education 332. Textbook: Foundations of Educational Sociology, by C. C. Peters; Macmillan Co.

Public School Administration 434. This course is professional. It is designed for those only who desire to become School Principals or School Superintendents. It deals with the relation of the school to the state, the county, the city or the town; The Superintendent's duties and privileges; Selection, tenure, training, supervision, pay and promotion of teachers; Courses of instruction; Tests; Health; Attendance; Libraries; Playgrounds; Records; Reports. Prerequisite: Education 332; Mathamatical ability; Expertness in English Composition. Textbook: Public School Administration, by E. P. Cubberley; Houghton Mifflin Co.

PHILOSOPHY

PROFESSOR CHAS. CLARK SMITH
PROFESSOR FREDERICK W. STEACY

It is the design of these courses to connect the student with his real world. Professor Royce wisely wrote that one philosophizes when he tries to understand his world. It is the part of a philosopher to treat life seriously and to feel for the truth sympathetically. The Christian philosopher endeavors to construct a system of logical interpretation based upon the experience of the race in its endeavor to become better. The fundamentals of Christianity are kept in mind and due respect for its contribution to the uplift of the world is maintained.

Those majoring in Philosophy will take one minor in History or English.

PHILOSOPHY 231—*General Psychology.* A comparative study of two leading text-books on psychology. The work of the first half of the term is concerned largely with the physiological side of psychology, and gives special emphasis to consciousness and the nervous system. The second half is given to the study of mental activity, such as retention, disposition, habit, instinct, association, recall, cognition, perception, memory, reasoning, emotion, and will. Textbooks: Pillsbury and James.
Three hours, one semester.

PHILOSOPHY 232—*Ethics.* A critical study of the foundation of moral obligations. The course is designed to give philosophic insight and to build moral character. Moral laws are applied to practical life and correlated with Christian ethics. Comparative study of two standard texts. Lectures.
Three hours, one semester.

PHILOSOPHY 331—*Philosophy of Religion.* A course dealing with the philosophical principles underlying the study of religion. Modern religious problems demand an intelligent analysis and a proper faith must be founded on reasoned out facts. A course designed to help in solving problems in religion and moral conduct.

PHILOSOPHY 333—*Logic.* A study of the purposes, laws, and limitations of human reasoning, whether deductive or inductive. The course is made as practical as possible. Text: Creighton's Introductory Logic.
Three hours, one semester.

PHILOSOPHY 334—*Social Psychology.* A study of social instincts and their relation to organized society. Crowd psychology, the mob, fashion, excursions, behaviour under excitement, under crises both personal and national, the public press, propaganda, and some attention will be given to the psychology of religious experience.

Open to students who have had General Psychology.

Three hours, second half year.

PHILOSOPHY 335—*History of Ancient and Medieval Philosophy.* A careful survey of philosophic thought from the early Greeks to the Renaissance. The aim of this course is not so much to master the details of each philosopher as to grasp the fundamental of each school and note the effects upon succeeding philosophies and sciences. Textbook, much collateral reading, and lectures.

Open to Juniors and Seniors.

Three hours, first half year.

PHILOSOPHY 336—*History of Modern Philosophy.* Beginning with Descartes and Bacon, the development of philosophic thought and its relation to national ideals are carefully studied. This study should throw substantial light upon the background of modern social, religious, educational, and governmental problems.

Open to Juniors and Seniors.

Three hours, second half year.

PHILOSOPHY 431-432—*Philosophic Foundations of Christian Theology.* The first part of the course makes an inquiry into the theistic conception of the world with the thought of establishing that view as a necessary postulate of reason and of human life. The second part of the course offers a philosophic study of the fact and the sense of sin, the incarnation, atonement, miracles, redemption from sin, immortality, etc. The effects of these doctrines will be traced in civilization, and modern problems will be viewed in the light of what Christianity offers as a solution.

Open to Juniors and Seniors.

Three hours throughout the year.

PHYSICS

PROFESSOR WALTER S. DYER

PHYSICS 141-142—*General Physics.* A non-mathematical course designed to meet the cultural needs of the average student as well as the technical requirements of the student of science. The time is devoted to mechanics, heat, electricity, magnetism, sound, and light. Lectures and recitations three hours per week, laboratory two hours per week. Four hours throughout the year. Fee three dollars each semester. No prerequisite.

CHEMISTRY

PROFESSOR WALTER S. DYER

For a major in Chemistry it will require thirty hours' work including the following courses: General Chemistry, 10 hours; Qualitative, five hours; Quantitative, five hours; Organic, six hours. At least a one-year course must be taken in each of Physics and Mathematics.

In addition to the regular laboratory fee each student is required to deposit two dollars to defray any breakage during the course. At the end of the course all unused funds will be returned to the student.

CHEMISTRY 121—*American Chemistry.* With the main object being the cultural value of chemistry, this course takes up the position of America in the field of chemistry. The time is devoted to a non-technical study of a few of the most important industries by means of reading and reports by students. Lectures and recitations two hours per week. May not be used to complete science requirement. Spring semester. Two hours. No prerequisite.

CHEMISTRY 151-152—*General Inorganic Chemistry.* A course with a two-fold object in that it shows the possibilities of chemistry in our everyday living and at the same time prepares the student for further study of the subject. The basic principles of chemistry are studied in detail. Lectures, demonstrations, and recitations three hours per week with laboratory four hours per week. Five hours throughout the year. Fee four dollars each semester. No previous chemistry required.

CHEMISTRY 211—*Inorganic Preparations.* Laboratory practice in the preparation of several of the more common compounds. Prerequisite: Chemistry 1.
One or two hours.

CHEMISTRY 231—*Qualitative Analysis.* A study of the metals by means of their ionic reactions is made in the light of the electron theory of matter. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 151-152.

CHEMISTRY 233—*Quantitative Analysis.* A course intended for pre-medical students. A study is made of the methods of volumetric analysis and fits the student to carry out accurate chemical determinations. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 251—*Qualitative Analysis.* Same as Chemistry 231 except that this course offers more work for the student who expects to major in chemistry. Lectures and recitations two hours per week, laboratory six hours per week. Five hours first semester. Fee six dollars.

CHEMISTRY 262—*Organic Chemistry.* While this course is designed for the student of medicine yet it is acceptable for the chemistry major. A thorough study is made of the elementary principles of the chemistry of carbon compounds. An effort is made to unify the material and prepare the student for the specialized work necessary in his further study. Lectures and recitations four hours per week, laboratory four hours per week. In the laboratory it is the amount of work done and not the time spent that shall determine the course. Six hours second semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 331—*Physical Chemistry.* A special course for premedical students. The theory and principles of chemistry are discussed in the light of the more recent views. Special attention is given to the applications to medicine. Lectures and recitations three hours per week. Three hours second semester. Prerequisites: Chemistry 262, Chemistry 233, and Physics 141 and 142.

CHEMISTRY 333—*History of Chemistry.* A careful study of the rise of the science from the age of alchemy. The contributions of individual men are especially stressed. Prerequisite: Organic or Quantitative.
Two hours.

BIOLOGY

PROFESSOR I. B. PEAVY

Those majoring in Biology must take courses 141-142, 241, 242, and 441-442.

BIOLOGY 141-142—*General Zoology.* Types of the main groups of animals are studied with regard to structure, development, and relation to environment. Laboratory work will be on animals selected from the following list: Amoeba, peramoecium, vorticella, stentor, sponge, hydra, hydroids, planarians, thread worms, earth worms, nereis, leech, starfish, sea-urchin, snail, clam, squid, crawfish, centipede, grasshopper, beetle and frog. Lectures and collateral reading. Two two-hour laboratory periods a week.
Four hours throughout the year.

BIOLOGY 241—*General Histology.* A course in histology, including the processes of fixing, imbedding, staining, technic sectioning and mounting different kinds of tissues. This course also includes an elementary study of the various organ tissues. Elective in the College. Recitations two hours, laboratory four hours.
Prerequisite: Biology 141 and 142. Four hours first semester.

Biology 242—*Human Anatomy and Physiology.* A course which treats of the various structures and functions of the human body. Lectures and recitations, two hours a week; laboratory work, two hours a week. Prerequisite: Biology 141-142. Four hours second semester.

Biology 244—*Botany.* A study of the biology, morphology, and classification of typical plants selected from the different groups. Recitations two hours, laboratory four hours.
Four hours, one semester.

Biology 341—*Comparative Vertebrate Anatomy.* A study of selected vertebrate types from Amphioxus to the mammals. The form and development of the different systems of organs are considered in detail. This course is an excellent preparation for the work in human anatomy or for teaching. Recitations two hours, laboratory four hours.
Four hours first semester.

Biology 342—*Biology and Disease.* This course consists of recitations and lectures on the cause and means of preventing communicable diseases. It aims to give the facts which every person should know concerning tuberculosis, typhoid fever, diphtheria, yellow fever, and other diseases caused by bacteria or protozoa. Elective in the College year.
Four hours, second semester.

Biology 441-442—*Embryology.* This course includes the study of the development of the frog, chick, and a mammal from the time of fertilization of the egg until fully formed. Lectures and recitations, two hours a week, laboratory work, four hours a week.
Prerequisite: Biology 141 and 142.

Normal School

The Normal School is planned to meet the requirements of the State law as an approved Normal School whose graduates upon the completion of certain courses may be granted by the State certificates to teach, in the same manner that graduates from the State Normals receive certificates.

EQUIPMENT

The entire equipment of the College is open to use by the Normal School. This equipment includes good laboratories in Physics, Chemistry, Biology, Domestic Science and Art. Agricultural plots, the Conservatory of Music, Expression, Library, a Training School, New Gymnasium and Athletic Field.

TRAINING SCHOOL

Union College has made arrangements with the Barbourville City Schools to use the grades for a training school. Our own Academy is used as a training school for High School Certificate Courses. The College helps to select the teachers for the training school. Normal students do observation and practice teaching in the training school.

FACULTY

The Faculty is made up of trained specialists in every department, from the critic teachers in the training school to the head of the Normal School.

SCHEDULE

Since many of the Normal students come after their schools close in January the schedule for the Normal courses will be adjusted to the needs of the students. Some studies will be repeated each term if necessary. Some studies may be taken together with the regular Academy students while others will be run for Normal students only. However, a good student may finish the regular Academy course and the Elementary Normal courses in the time that the average student takes for the Academy alone.

NORMAL SCHOOL LAW

The State Department of Education is authorized to issue the following certificates to Union College students with their several requirements and privileges as set forth in the law:

I. ELEMENTARY CERTIFICATES

1. *A Provisional Elementary Certificate* (*of High School Grade*) valid for two years in any elementary school of the State, shall be issued by the Superintendent of Public Instruction upon certification of an Accredited Normal School showing the completion of at least eight units of standard high school work, four of which must be earned in residence in the Normal School. This certificate shall be reissued or renewed for two years upon the presentation to the Superintendent of Public Instruction evidence of the owner thereof having earned two or more additional units of credit in the Normal School, and same may be so reissued, or renewed from time to time upon presentation of evidence of having earned two or more such additional units of credit.

2. *The Provisional Elementary Certificate* (*of College Grade*) shall be issued on the basis of high school graduation with sixteen semester hours (one-half year) of standard college credit. It shall be issued for a term of two school years, and shall be eligible for two-year renewals, each renewal dependent upon satisfactory evidence of at least sixteen semester hours of additional standard college credit, which shall be indicated on the certificate.

3. *The Standard Elementary Certificate* (*of College Grade*) shall be issued on the basis of sixty-four semester hours of college credit earned in an institution of at least standard junior college rank, not less than twelve of which shall be in education subjects. It shall be issued for a term of three school years and shall be eligible for three-years renewal on presentation of satisfactory evidence of successful teaching experience; and it may be extended for life at any time on presentation of satisfactory evidence of three years of successful teaching experience. After such extension the holder may resubmit it to the director of certification for recording statements of additional college credit.

4. *A College Certificate,* valid for three years in any public school of the commonwealth, may be issued by the State Board of Education upon graduation from the Normal School. This certificate shall be reissued or renewed for life after three years of successful experience in educational work in public schools; credit for one year's graduate work may be accepted in lieu of one year of successful experience as above provided.

II. HIGH SCHOOL CERTIFICATES

1. *The Provisional High School Certificate* shall be issued on the basis of sixty-four semester hours of college credit earned in an institution of at least standard junior college rank, not less than twelve of which shall be in education subjects. It shall be issued

for a term of four school years, and shall be eligible for four-year renewals on presentation of satisfactory evidence of thirty-two semester hours of additional credit in a standard college.

2. *The Standard High School Certificate* shall be issued on the basis of graduation from a standard four-year college, including at least twelve semester hours of credit in education subjects with practice teaching, or satisfactory evidence of two years of successful high school teaching. It shall be issued for a term of four school years, and shall be eligible for four-year renewal on presentation of satisfactory evidence of successful teaching experience; and it may be extended for life on presentation of credit for twelve additional semester hours of education subjects and satisfactory evidence of three years of successful teaching experience.

3. *A Provisional or Standard High School Certificate,* valid only for teaching special subjects, will be issued where transcript of college credits submitted includes credit for at least twelve semester hours' training in preparatory for teaching in that special field.

III. SUPERINTENDENCE CERTIFICATES

A Standard or a Provisional Certificate for administration and supervision in the public schools of the commonwealth shall be issued to any applicant who files evidence of having taught at least four years in public schools or colleges and having satisfied the requirements for the issuance of a standard or provisional certificate for high school teaching, and in addition thereto standard college credit for six semester hours in public school administration and supervision. Such certificate shall be issued for a term of four school years, shall qualify the holder for any position of public school administration and supervision in the commonwealth, and shall be eligible for renewal on basis prescribed in this act for renewal of certificates for high school teaching.

Before any of the certificates provided for in the preceding provisions of this act shall be issued the applicant therefor must meet the legal requirements in reference to age, and credentials concerning good moral character, prescribed by law for public school teachers.

Academy

PURPOSE

The Academy is designed to prepare students for colleges or technical schools; to give teachers the high school work required by the new law in Kentucky, and to broaden the education of those taking up business and home life.

SCOPE OF INSTRUCTION

The Academic Course was four years in length and covered a regular high school course. The first year is being dropped.

The electives make it possible for a student to choose his course in part and to prepare for a classical, scientific, professional or vocational life as he sees fit.

Our Academy is in Class A of the accredited list of secondary schools of the Association of Kentucky Colleges. This means that our graduates receive full Freshman rank, without examination, at any College belonging to this Association. Sixteen units are required for graduation.

ENTRANCE

Since only the junior and senior years of the Academy remain any student desiring to enter the Academy must be able to do the work offered in those years.

ADVANCED STANDING

Advanced standing will be given students presenting credits from good secondary schools and to students passing examinations on work done for which credits are not presented.

GRADUATION

An Academic Diploma will be granted students completing the Academic Course.

ACADEMY CURRICULUM

Junior

English	5	English	5
Geometry	5	Geometry	5
†Electives	10	Electives	10
Bible	2	Bible	2

Senior

English	5	English	5
Biology	5	Biology	5
†Electives	10	Electives	10
Bible	2	Bible	2

†Electives may be chosen from any accredited High School subjects that are offered.

Academy and Normal Departments of Instruction

EDUCATION

Rural School Management. A study of the school as an organism; from the viewpoint of the superintendent and the teacher, with an extensive reading course. Text discussion. Required from the Provisional Elementary Certificate of the second class.

One semester, daily. One-half unit.

Observation and Methods. This is a course in directed observation and general methods. Observation two lessons a week, under critic teachers, trained in their special departments, and three lessons a week in general methods from textbook. Lectures and discussions.

One-half unit.

Rural Life. This course is intended to give the student an understanding of the rural society and of the progressive movements for social betterment. The causes which effect the life of society, social evolution, social control, and the relation of Christianity to the great social problems.

One-half unit.

Observation and Practice Teaching. This course is required of students for the Standard Elementary Certificate, and elective for high school students. Five lessons a week under the direction of a critic teacher.

One semester, daily. One-half unit.

Psychology 1. Psychology is the foundation of all studies in education. This is an elementary course dealing with the simpler foundation principles of the nervous system as observed in original responses to stimuli and in its modifiability under environment. Textbook and class discussions.

First semester. One-half unit.

Psychology 2. A special study of childhood and adolescent Psychology as it pertains to the problems of the schoolroom and other points of interest to the educator. Textbook, lectures and discussions.

Second semester. One-half unit.

ENGLISH

The aim of this department is to give the student such thorough instruction in the writing of English as will make his language the instrument for the easy, idiomatic, and energetic expression of his thought; to train him, both by theory and by practice, for natural and effective public address; to acquaint him with the essential facts in the development of the English language and literature, and with the great authors who have created that literature; and, finally, to render him sensitive to the literary and æsthetic value of life. Vigorous and painstaking habits of scholarship are constantly inculcated; but the student is never allowed to forget that literature is vital—that it draws its subject-matter and its inspiration from life, and in turn transmutes the crude and imperfect forms of life into beauty and character.

English III. Law's "English for Intermediate Use" is the basis of theory and practice during this year. All forms of composition, both oral and written, are reviewed, and perfected with special attention to making the students' written work attractive. Simple fundamentals of Journalism are taught. Vocabulary study continued. Literature for the year is chosen from the following list or its equivalent: "Cranford," "Sir Roger de Coverly," "House of Seven Gables," "Mariners in the Wilderness," "Idylls of the King," one play from Shakespeare, one volume of easy informal essays, current fiction, biography, magazine reports, one novel from Dickens, Eliot, Cooper, Stevenson, Kipling, etc. "A High School History of American Literature" will accompany the year's work.

Five hours throughout the year.

English IV. Principles of argumentation and debate are studied with abundant practice. Brooks—Book II, or its equivalent, is the text. Washington's "Farewell Address" is studied, briefed, and its present day values fully discussed. The study of the technique of one-act plays, the reading of plays with classroom acting form part of this semester's work. The technique of the short story and the informal essay are studied with many examples read and discussed. Carlyle's "Essay on Burns" is thoroughly studied and discussed. One play from Shakespeare and a volume of current poetry with collateral reading, many themes, essays and others constitute the work of the year. Bate's "History of English Literature" accompanies the work of both semesters.

Five hours throughout the year.

MATHEMATICS

ARITHMETIC I. This course embraces a review of the more important principles of Arithmetic: Common Fractions, Decimal Fractions, Percentage, Drills, Standard Tests, outside work; measuring lumber, land, capacity of bins and cisterns, painting, paving, flooring, papering and the beginning of ratio and proportion, involution and evolution, carefully explained. A good modern text is used.

One semester, daily. One-half unit.

ARITHMETIC II—*Advanced Arithmetic.* This course is intended for teachers, and consists of a continuation of the work as outlined for the first course, but the more difficult phases of the subject will be dealt with in fuller detail. The principles of teaching and presenting the subject-matter will be one of the strong features of this course; in addition, heavy subject-matter dealing with difficult principles and knotty problems will be required. Mastering of the subject of Arithmetic is expected of those who finish this course. A modern text, supplemented by outside work and other books.

One semester, daily. One-half unit.

MATHEMATICS III (*a*)—*Geometry,* Book I. Much attention is given to the solution of problems designed to train the student in logical thinking and the methods used discourage mere memorizing of propositions. Wentworth and Smith. Fall term, daily. One-half unit.

(*b*) *Geometry,* Books III and IV. Some attention given as above to practical and independent use of principles in Geometry and the application of the same to mechanical arts and surveying. Wentworth and Smith. Second semester, daily. One-half unit.

MATHEMATICS IV—*Solid Geometry.* The practical applications of principles learned is emphasized in this branch of mathematics as well as in the others. Thorough drill is continued. Text: Wentworth and Smith.

Five hours, first semester, daily.

NATURAL SCIENCE

SCIENCE III—*Botany.* The study of plants as living organisms with special regard to functions, structure and relation to environment. A careful study of the entire plant is made in the laboratory, including microscopic work. Each student is required to collect, press and neatly mount twenty-five flowers. Text: Coulter's Plant Life and Plant Uses and Hughes' Practical Experiments.

Spring Term, daily. One-third unit.

SCIENCE IV—*Geography.* A thorough course is given covering the principles of geography, a detailed study of North America, and a brief study of the other continents, emphasizing their economic development—concentration of industries, transportation, government, and governmental activities, embracing Human and Regional Geography. Method of preparation and presentation is given careful attention and is made a prominent part of the course.
First semester. One-half unit.

SCIENCE V—*Physical Geography.* Special emphasis is placed upon the formation and preservation of soil, the relation of forests to erosion and water supply, the laws governing weather conditions, and the relation of all these factors to human development.
Spring Term, daily. One-third unit.

SCIENCE VI—*General Science.* This course aims to furnish an introduction to the scientific study of the elementary sciences. The topics considered are those of general significance, as AIR—characteristics, temperature changes and seasons, humidity, structure, and composition. WATER—different states, pressure, commercial relations, supply, etc. WORK and ENERGY—Earth Crust—natural forces, physical structure of soil, irrigation, erosion. LIFE UPON EARTH—plant life, food supply. Simple experiments worked by the student, and some standard text.
One year, daily. One unit.

SCIENCE IX—*Biology.* This course consists of a course in botany, showing the relations between plants and animals. Also considers the diseases caused by bacteria and protozoa, and means of preventing communicable diseases. It aims to give facts which every person should know concerning tuberculosis, typhoid fever, cholera, diptheria, yellow fever, and other similar diseases.

This course prepares the student for a course in College Biology, Zoology, or Gross Anatomy.
Five hours throughout the year.

HISTORY AND CIVICS

HISTORY I—*American History* (*a*). This is a course in the fact history of our country. Its purposes are to give the student a general working knowledge of American History to the formation of the Union, to give enough method of history to enable a student to do good teaching of the subject in the rural schools, or to do advanced American History in any school.
One semester, daily. One-half unit.

American History continues the work of History (*a*), but it gives more attention to the Method of Teaching History. It takes up the chain method spoken of in the State course of study and

develops the idea thoroughly, by considering such leading threads of history as: Slavery, the Tariff, Westward Expansion, the Spoils System and Civil Service Reform, the Banking System and Panics, Growth and Development of Political Parties. This course attempts to create an abiding interest in the affairs of the world. Therefore special attention is given to the Monroe Doctrine and American Foreign Relations, bringing out vividly America's part in the World War, and our part in the reconstruction of the world.

One semester, daily. One-half unit.

History V. A history of Modern Europe beginning with the age of Louis XIV. The growth of science and learning, and the development of political, social, and economic institutions. The progress of nations, and an inquiry into the causes and effects of such important events as the French Revolution and the World War. Also a study of the growth and toleration and the extension of the Christian movement.

Five hours a week.

Civics. A study of community life and problems, and the relation of the individual to the community in which he lives. Americanism, Melting Pot, rural and city life, including the immigration question and its problems carefully considered. The government of Kentucky will also be studied. A modern text with collateral reading.

One semester, daily. One-half unit.

BIBLE

A fair knowledge of the Bible is expected of every citizen of a Christian nation; but it is humiliating to see how little is known of this, the greatest of books, by the average man. A skeptical professor in one of the great American universities, after having failed to get an intelligible answer on some point of simple Biblical history indignantly remarked that any man who did not wish to be regarded as a fool should have a fair knowledge of the Bible. It is also fundamental to strong Christian character, and church schools should certainly give every student some good courses.

Bible I—*Old Testament History.* This course gives a general knowledge of the geography and history of the Hebrew people, embracing the forms of government, the economic, social, moral and religious developments. The Bible is read for its own story

together with a good text on Old Testament History. Designed for Academy students first and second years.

Two hours.

BIBLE II—*New Testament History.* This course deals with the early history of the Christian Church and its ideals and work as recorded in the synoptic Gospels and the Acts. A general text is used as an organizing basis. Designed for Academy students, third year.

Two hours.

Music

INSTRUMENTAL AND VOCAL

Union College offers a course in both instrumental and vocal music, not only to the College students, but to the community at large.

The piano is the most universally used of all instruments, and its proper study will give a thorough acquaintance with all styles and forms of musical composition. The equipment for this department consists of a number of practice and studio pianos, and also two grand pianos on the chapel stage to be used for concerts and recitals.

Class instruction is also given in Theory, Harmony, History of Music and musical appreciation. The texts to be suggested by the teacher. A brief outline is given for classification, and does not mean that each study or all the works must be taken by each student.

PIANOFORTE COURSE

MISS BURTON

GRADE I. Practical Works, simple technical studies, major scales, such studies as Berens, op. 70; Gurlitt, op. 117; selected studies, Reutling, Books I and II. Czerny studies, Book I, op. 299.

GRADE II. Scales and technical work continued, Gurlitt, op. 141. Burgmuller, op. 100; Dunernoz, op. 176; Kohler, op. 50. Czerny studies continued, op. 299. Easy sonatinas by Steibelt, Hyder, Mozart, such pieces as Jensen, op. 33; Gade, op. 36.

GRADE III. Hanon technical studies, Little Pischua technical studies, Minor scales, all forms begun, 12 easy pieces of Handel, Heller, op. 47; Bertini, op. 100. Czerny consonatinas by Clementi, Kuhlan, Beethoven. Pieces by classical composers given.

GRADE IV. Major and Minor scales with chords and arpeggios, Heller, op. 45 and 46; Berens, op. 61. Bach's short preludes and fugues, Krouse trill studies, sonatas and rondos by Dussek, Reinecke, Mozart, Haydn. Pieces by Grieg, Godard, Mendelssohn, Schumann and Schubert.

GRADE V. Technical studies continued. Bach's two-part Inventions, Steitelt studies. Octave studies, op. 281, Lorr, Berens, Books III and IV, Beethoven's earlier sonatas, Mendelssohn's Song Without Words, Chamineade, Grieg, Schubert, Schumann.

GRADE VI. Advanced technique, Bach's Suites, Bach's three-part Inventions, Crame's 50 Etudes, Kullaks octave studies, Jensen Etudes, Schubert Impromptus, Sonatas, Compositions by Chopin, Liszt, Rubinstein and modern composers.

GRADE VII. Scales and arpeggios all forms, with increasing speed. Bach's English and French Suites continued. The well-tempered clavichord of Bach. Gradus and Parnassus by Clementi, Moscheles studies, Concertos by Mozart, Mendelssohn, Chopin, Schumann. Compositions by modern composers.

Much time the last two years of course is spent in preparation of a recital program to be given in public, also practical work in instruction for those who intend to become music teachers.

VOICE

MISS BURTON

The opportunity for voice culture should not be limited to the chosen few who are endowed with a voice. Deep breathing, which is an important part in voice culture, develops the lungs, corrects a bad carriage and makes a healthy body. A course in this department will be most beneficial whether or not one expects to make singing a profession.

BRIEF OUTLINE FOR VOICE

GRADE I. Breathing exercises, tone placing, study of vocal organs, simple vocalises by Root, Behinke and Pearce, simple songs and ballads.

GRADE II. Breath control and tone production continued, Concone, op. 9 and 12. Vaccai Italian school of singing, art of vocal Morza, the easy songs of Brohms, Schubert, Schumann, Mendelssohn and American compositions.

GRADE III. Vocalises embracing embellishments, trills, and scale passages, for flexibility. Master pieces of Voc-Mox S. Picher, Book I. Famous songs prepared by Krehbiel. Early arias begun in Italian, also simple songs in French and German.

GRADE IV. Studies in Brovura and scale passages continued, Marzo, Book II. Lamperti, Listgers (operatic vocalises) Mox Spicker, Book II. Selection from Oratorios and Operas, American songs, also Italian, German and French Diction.

A Supervisor's Course in Public School Music is offered to all those wishing to do supervisor's work in Public Schools. For expenses see tuition. This is not the same course as is offered teachers in the Normal Course. Students completing this course must have two years voice lessons, one year of harmony, one year Music History, one year theory.

Students' recitals will be held at frequent intervals, and all students in the conservatory are required to attend, and to take part when requested by the teacher.

A College Choral Society will be organized at the beginning of the first semester. Choral works of the old and new school of Oratorios will be studied. This is open to all students, and any others not connected with the College are invited to become members.

All students in voice are required to attend the College chorus.

A class in ear training and sight singing will be conducted by the vocal teacher and will be open to all students who are lovers of music.

The Union Glee Club meets weekly, and is composed of the best voices in the College. The male quartette also furnishes an opportunity for valuable musical training.

Class instruction in Public School Music will be conducted for the benefit of the students taking the Normal Course and credit for same will be given.

VIOLIN, REED AND BRASS INSTRUMENTS

CHARLES E. AHLER

Course of study will include studies by Dancla, or Herman, Sitt, 100 Studies Op. 32, Sevick, Books 1 and 2, Meerts, Kayser, Books 1, 2 and 3. Scales and arpeggios through keys and positions. Appropriate pieces for the different grades. A full and complete course is offered for the violin.

Professor Ahler is an accomplished musician with large and valuable experience. We have secured his services just as the catalog material is being sent to press. Professor Ahler is an excellent performer as well as a great teacher. He will teach violin cello and all orchestra and band instruments. He will direct a college orchestra and a college band. Bring your instruments with you.

Register of Students

COLLEGE

Seniors Taking A.B. Degree

Bargo, Sallie ..... Knox County
*Bennett, William ..... West Virginia
Bledso, Baxter ..... Clay County
Brown, Robert Lee ..... Whitley County
Cobb, Emerson ..... Webster County
DeMarcus, Gladys ..... Bell County
Gay, Joe ..... Clay County
Faulkner, Stanley ..... Knox County
Hall, J. C. ..... Harlan County
May, Helen ..... Knox County
Miracle, Ed. ..... Knox County
Nesbitt, William ..... North Carolina
Roberts, Laura ..... Knox County
Ward, Corinne ..... Ohio County
Warren, Eula Mae ..... Knox County
Warren, Sudie ..... Knox County
Williams, Lucretia ..... Fleming County
Winters, Bennie ..... Missouri

Juniors

Aguilera, Bernice ..... Knox County
Otis, Amis ..... Knox County
Chandler, Elizabeth ..... Bell County
Dyer, Mable ..... Mason County
Jackson, Marie ..... Knox County
Lay, Jesse ..... Knox County
Miracle, Ethel ..... Knox County
Parker, Ruth ..... Knox County
Ruth, Rader ..... Knox County
Robinson, Elmer ..... Whitley County
Robinson, Frances ..... Knox County
Wagers, Floyd ..... Clay County

Sophomores

Adams, Bertha ..... Whitley County
Bain, Ruby ..... Knox County
Bargo, Chester ..... Knox County

*Deceased.

Beddow, Etta .....Knox County
Catron, Thomas .....Knox County
Congleton, Ruth .....Knox County
Frederick, Jamima .....Knox County
Fryman, Flossie .....Bracken County
Gallagher, George .....Harlan County
Garland, Beckham .....Knox County
Helton, Robert .....Bell County
Howard, H. A. .....Knox County
Hughes, Sarah .....Knox County
Jarvis, Myrtle .....Knox County
Kelleman, Steve .....Harlan County
Kelly, Sadie .....Knox County
Knuckles, J. F. .....Bell County
Large, James .....Tennessee
Lawson, Henry .....Bell County
Lawson, Jesse .....Knox County
Messer, James .....Knox County
Messer, Lula .....Bell County
Morgan, Kelly .....Clay County
Mitchell, Amanda .....Knox County
Moore, Harold .....Whitley County
Myers, Joseph .....Kenton County
Payne, Ethel .....Laurel County
Poe, Teddy .....Nicholas County
Putnam, Fred .....Pennsylvania County
Richardson, Mary .....Knox County
Rigsby, Fred .....Boyd County
Roberts, Sophie .....Lawrence County
Shotwell, Viola .....Whitley County
Smith, Anna Bell .....Clay County
Smith, Oval .....Clay County
Spurlock, Estill .....Clay County
Surgener, Prince .....Knox County
Surgener, Zorah .....Knox County
Terrell, Claude .....Whitley County
Tucker, Eula .....Florida County
Vicars, Eula .....Bell County
Walters, Gifford .....Clay County
Williams, Freeda .....Fleming County
Williams, John Fred .....Johnson County
Wilson, Gertrude .....Knox County

Freshmen

Aguilera, Henry .....Knox County
Asher, Fanny .....Bell County
Albright, A. B. .....Rockcastle County

Amis, Nora Lee .....Knox County
Baker, Axie .....Knox County
Baker, Clara .....Knox County
Baker, George .....Knox County
Baker, Taylor .....Clay County
Barker, Robert .....Harlan County
Baxter, Christine .....Lincoln County
Blair, Jake .....Virginia
Blair, Lyda .....Knox County
Botner, Leatha .....Ousley County
Brown, Della .....Knox County
Broyles, Lena .....Pulaski County
Buchanon, L. W. .....Knox County
Burnett, R. E. .....Knox County
Campbell, Robert .....Clay County
Catron, Effie .....Knox County
Catron, Lois .....Knox County
Caudill, Estill .....Clay County
Caudill, Mae .....Clay County
Chestnut, Dan .....Knox County
Chestnut, Glenn .....Knox County
Chestnut, Clarence .....Clay County
Clay, Agnes .....Harlan County
Cooper, Ray .....Knox County
Corun, Ethel .....Knox County
Cox, Howard .....Knox County
Craft, Gilbert .....Clay County
Davis, Charlie .....Knox County
Davis, Ester .....Knox County
DeMarcus, Claudia .....Bell County
Dishman, Ben .....Knox County
Epperson, Marvin .....Knox County
Evans, Florence .....Knox County
Franklin, Ralston .....Knox County
Frazier, Lilly Rae .....Harlan County
Foley, Dan .....Knox County
Foley, Myrtle .....Knox County
Foley, Gloster .....Knox County
Garland, Charles .....Knox County
Gay, Mary Lee .....Clay County
Gibson, Corinne .....Floyd County
Girdner, Bessie .....Knox County
Gray, Pearl .....Knox County
Hammons, Jeff .....Knox County
Helton, Arthur .....Knox County
Helton, Vina .....Knox County
Hornsby Laura .....Clay County
Hembree, Sillous .....Knox County

Hopper, Harry .....Knox County
Hood, Anna Mae .....Knox County
Howes, John .....Greenup County
Hubbard, Vergie .....Clay County
Hunt, Kenneth .....Jessamine County
Jackson, Rahma .....Knox County
Jarvis, Andrew .....Harlan County
Jarvis, Delmer .....Knox County
Jarvis, George .....Knox County
Jinkins, Vernon .....Muhlenberg County
Kline, Crofford .....Ohio County
Knuckles, Letcher .....Bell County
Knuckles, Louanna .....Bell County
Knuckles, William .....Bell County
Ledford, Bertie .....Clay County
Leedy, Ralph .....Harlan County
Leinard, Rosa .....Tennessee
Lewallen, Caleb .....Knox County
Lewallen, Norma .....Knox County
Lewis, McCoy .....Clay County
Lundy, William .....Knox County
Lawson, Ray .....Virginia
McDaniels, Fannie .....Clay County
McClure, Irene .....Knox County
McDonald, Roberta .....Bell County
Maggard, Carl .....Clay County
Main Lucille .....Knox County
Main, Ruth .....Knox County
Marcum, Ed. .....Clay County
Marsee, Lelia .....Knox County
Martin, Wm. G. .....Knox County
Martin, W. D. .....Knox County
Mayhew, William .....Knox County
Mayo, Mary .....Knox County
Miller, Roscoe .....Whitley County
Miracle, Laura .....Knox County
Mitchell, Beatrice .....Breckenridge County
Muncy, Blanche .....Laurel County
Murray, Nannie .....Bell County
Parker, Martha .....Knox County
Payne, Clarence .....Knox County
Raeder, Mildred .....Knox County
Ramsey, Ora .....Knox County
Rigsby, Hundley .....Rockcastle County
Robbibs, DeAlva .....Rockcastle County
Roberts, Carda .....Wolfe County
Roberts, ...Knox County
Roark, Myrtle .....Whitley County

Chaffer, Mazelle ..... Knox County
Slusher, Daphne ..... Knox County
Slusher, Dorothy ..... Knox County
Smallwood, Katie ..... Clay County
Smith, Lawrence ..... Clay County
Smith, Grace ..... Clay County
Stark, Alva ..... Harlan County
Stewart, Braxton ..... Knox County
Stewart, Nancy ..... Bell County
Stewart, Rosa ..... Bell County
Stewart, Ollie ..... Bell County
Stivers, C. P. ..... Clay County
Taylor, Charles ..... Virginia
Terrell, Ida ..... Whitley County
Turner, Rose ..... Bell County
Valentine, Liolah ..... Whitley County
Valentine, Rosa ..... Knox County
Valentine, Shellie ..... Knox County
Valentine, L. T. ..... Knox County
Wagers, Walter ..... Clay County
Walker, Martha ..... Knox County
Walker, Julia ..... Knox County
Webb, Pearl ..... Whitley County
Webb, Ezra ..... Clay County
Wells, Lettie ..... Boyd County
White, Nevil ..... Kenton County
White, Reginold ..... Knox County
Whitis, Alonzo ..... Clay County
Wilkinson, Lillian ..... Ball County
Williams, Clyde ..... Knox County
Wilson, Edgar ..... Knox County
Wilson, Evelyn ..... Knox County
Woolum, Inez ..... Knox County
Woolum, Ohpha ..... Bell County

SPECIALS

Brown, Marjorie ..... Knox County
Jarris, Oscar ..... Knox County

EXTENSION STUDENTS

Baker, J. R. ..... Laurel County
Baker, Hazel ..... Laurel County
Bales, Bertie ..... Laurel County
Begley, Lena ..... Laurel County
Brown, Robert Lee ..... Whitley County
Bryant, Mable ..... Laurel County

Bullock, Hazel ..... Whitley County
Catron, Edna ..... Knox County
Chatfield, Gwendolyn ..... Whitley County
Chestnut, Walter ..... Laurel County
Cole, Margaret ..... Whitley County
Creekmore, Marcia ..... Laurel County
Dillon, Jane B. ..... Laurel County
Edwards, Mrs. B. J. ..... Whitley County
Estes, Tradathan ..... Laurel County
Hammack, L. B. ..... Laurel County
Haswell, Georgia ..... Laurel County
Harkleroad, Lela ..... Laurel County
Herzig, Anna Lee ..... Whitley County
Hood, Mrs. Claude ..... Whitley County
Inman, Lora Bryce ..... Whitley County
Jackson, Kate ..... Laurel County
Johnson, Mrs. J. Y. ..... Laurel County
Johnson, Maude ..... Whitley County
Landrum Frances ..... Laurel County
Layman, M. B. ..... Whitley County
Marcum, Wm. ..... Laurel County
Marcum, Etta ..... Laurel County
Michael, J. W. ..... Laurel County
Miller, Ida Mae ..... Whitley County
Minter, H. F. ..... Laurel County
Parsley, Bernice ..... Laurel County
Poynter, Mrs. R. J. ..... Laurel County
Reams, John B. ..... Laurel County
Stevenson, Mary E. ..... Laurel County
Terrell, Amanda ..... Whitley County
Terrill, Lucy ..... Whitley County
Thomas, Dora ..... Laurel County
Underwood, Florence ..... Laurel County
Walker, A. J. ..... Laurel County
Walker, Lela ..... Whitley County
Webb, Lela ..... Laurel County
Wilder, Edna ..... Laurel County

ACADEMY

Alford, Hazel ..... Knox County
Abner, McKinley ..... Knox County
Adams, Leona ..... Knox County
Alford, Albert ..... Knox County
Alred, Fred ..... Harlan County
Burton, Charles ..... Knox County
Barger, Ross ..... Harlan County
Buchanon, Marie ..... Knox County

Bender, Joe ..... Knox County
Bender, Ohna ..... Knox County
Baxter, Willena ..... Lincoln County
Bliss, Effie ..... Knox County
Blanton, Anna ..... Knox County
Britton, Glades ..... Knox County
Brown, May ..... Knox County
Brown, Charles ..... Knox County
Brown, James ..... Knox County
Brundige, Geneva ..... Ohio
Bryant, Elmer ..... Knox County
Bryant, Alvis ..... Knox County
Budd, Eldon ..... Knox County
Buttermore, Willard ..... Harlan County
Carnes, Kittie ..... Knox County
Catron, Fred ..... Knox County
Chappelle, Myrtle ..... Bell County
Congleton, Clinton ..... Knox County
Corey, Sallie ..... Knox County
Corey, Stanley ..... Knox County
Davis, Golden ..... Bell County
Dickore, Edith ..... Knox County
Dusini, Charles ..... Harlan County
Faulkner, Marie ..... Knox County
Faulkner, Marvin ..... Knox County
Ferguson, Florence ..... Knox County
Ferguson, Margaret ..... Knox County
Ford, Blain ..... Knox County
Fox, Otis ..... Knox County
Garland, Rose ..... Knox County
Goodman, Zelma ..... Knox County
Grant, Estle ..... Knox County
Gray, Hazel ..... Knox County
Hacker, Mae ..... Clay County
Hammons, Cleo ..... Knox County
Hammons, Frank ..... Knox County
Hampton, Ruth ..... Knox County
Harris, Evelyn ..... Knox County
Hatton, Julia ..... Clay County
Hawn, Catherine ..... Knox County
Helton, Leora ..... Knox County
Hopper, Mary ..... Knox County
Hopper, Maude ..... Knox County
Ingram, Willa ..... Bell County
Jackson, Blanche ..... Knox County
Jackson, Reid ..... Knox County
Jarvis, Delmar ..... Knox County
Jones, Bessie ..... Knox County

Jones, Newton ..... Knox County
Jordon, Thomas ..... Clay County
Keck, Anderson ..... Knox County
Kelly, Bernice ..... Harlan County
King, Marola ..... Bell County
Knuckles, Cleo ..... Bell County
Lathom, John ..... Jefferson County
Lay, Charles ..... Knox County
Leinville, Mattie ..... Knox County
Lipps, Sallie ..... Clay County
Lundy, Walter ..... Knox County
Mackey, Elsie ..... Knox County
Mays, Cecil ..... Knox County
Mays, Reves ..... Knox County
Mays, Shelvy ..... Knox County
Mealer, June ..... Knox County
Mealer, Loretta ..... Knox County
Messer, Blain ..... Knox County
Messer, Dora ..... Bell County
Messer, Mattie ..... Knox County
Messer, Walter ..... Knox County
Miller, Louella ..... Knox County
Muse, Geneva ..... Knox County
McCracken, Weart ..... Knox County
McGaffee, Elmer ..... Bell County
McGaffee, Ruby ..... Bell County
Nelson, Jeanna ..... Richmond County
Owens, Raymond ..... Knox County
Parker, Delbert ..... Knox County
Payne, Clarence ..... Knox County
Payne, Sadie ..... Laurel County
Petrey, Graham ..... Harlan County
Pendleton, Jane ..... Knox County
Picklesimer, Charles ..... Johnson County
Pope, Harve ..... Knox County
Powell, Betty ..... Knox County
Ray, Thelma ..... Knox County
Reid, Joyce ..... Knox County
Reity, James ..... Knox County
Reynolds, James ..... Knox County
Roberts, Lena ..... Virginia
Robinson, Donna ..... Knox County
Rose, Arthur ..... Knox County
Sears, Velma ..... Knox County
Shupe, Florence ..... Knox County
Shupe, Mable ..... Knox County
Sidle, Edgar ..... Knox County
Smith, Borden ..... Knox County

Sproule, Evelyn .....Knox County
Spurlock, Ellen .....Knox County
Taylor, Lillie Mae .....Harlan County
Tedders, Abe .....Knox County
Thomas, Ruby .....Knox County
Todd, Anna .....Knox County
Turner, Delmos .....Knox County
Vincent, Maurice .....Knox County
Webb, Albert .....Bell County
Webb, Fred .....Bell County
Wells, Martha .....Knox County
White, Reginold .....Knox County
Whitis, Robert .....Clay County
Williamson, George .....Knox County
Williamson, Kenneth .....North Carolina
Wilson, Evelyn .....Knox County
Wilson, Laura .....Bell County
Wilbar, Enna .....Bell County
Wilson, Lenora .....Knox County
Wilson, Myrtle .....Knox County
Woolum, Inez .....Knox County

SUMMER SCHOOL, 1927

COLLEGE

Ashley, Velmer .....Indiana
Baker, Axie .....Knox County
Baker, Clara .....Knox County
Bargo, Chester .....Knox County
Blair, Lyda .....Knox County
Burroughs, Mildred .....Greenup County
Brown, Marjorie .....Knox County
Catron, Lois .....Knox County
Craft, Gilbert .....Clay County
Chestnut, A. E. .....Knox County
Campbell, Clara .....Knox County
Campbell, Ethel .....Knox County
Collett, Mrs. L. M. .....Clay County
Collett, L. M. .....Clay County
Cox, Howard .....Knox County
Fish, Jessie .....Pulaski County
Frederick, Jamima .....Knox County
Garland, Beckham .....Knox County
Garland, Charles .....Knox County
Helton, Robert .....Bell County
Helton, Arthur .....Knox County
Helton, Vina .....Knox County

Helton, Weart ..... Knox County
Howard, H. A. ..... Knox County
Hubbard, Roy ..... Knox County
Hensley, Carlo ..... Clay County
Hensley, Roy ..... Clay County
Hensley, Mayme ..... Clay County
Jackson, Marie ..... Knox County
Jackson, Rahma ..... Knoxville County
Jarvis, Myrtle ..... Knox County
Lay, Jesse ..... Knox County
Lester, Ruby ..... Pulaska County
Mays, Jesse ..... Knox County
McClure, Irene ..... Knox County
Messer, Wm. ..... Knox County
Mitchell, Amanda ..... Knox County
Miracle, J. E. ..... Knox County
Nelson, Viola ..... Knox County
Phillips, Gertrude ..... Knox County
Powell, Mint ..... Knox County
Roberts, Laura ..... Knox County
Robbins, DeAlva ..... Rockcastle County
Rowland, Ruby ..... Knox County
Sewell, Cledith ..... Bell County
Slusher, Thelma ..... Knox County
Terrell, Claude ..... Whitley County
Tucker, Eula ..... Florida
Turner, Clifford ..... Knox County
Valentine, L. T. ..... Knox County
Wager, Floyd ..... Clay County
Warren, Eula Mae ..... Knox County
Warren, Sudie ..... Knox County
Williams, Lucretia ..... Fleming County
Williams, John Fred ..... Johnson County
Wilson, Gertrude ..... Knox County

ACADEMY

Amis, Nora Lee ..... Knox County
Bender, Ohna ..... Knox County
Bliss, Effie ..... Knox County
Blackburn, Elizabeth ..... Knox County
Brackett, Nora ..... Harlan County
Buchanon, Wade ..... Knox County
Buchanon, Marie ..... Knox County
Buchanon, George ..... Knox County
Campbell, Brown ..... Knox County
Cecil, Willie Lee ..... Knox County
Chapelle, Myrtle ..... Bell County

Campbell, Eula ..... Knox County
Cobb, Daniel ..... Knox County
Cox, Maude ..... Knox County
Cox, Cephus ..... Knox County
Croley, Gladys ..... Knox County
Davis, Victoria ..... Knox County
Epperson, Marvin ..... Knox County
Faulkner, Katherine ..... Knox County
Gran, Estle ..... Knox County
Gray, Hazel ..... Knox County
Green, Ethel ..... Bell County
Hammons, Cleo ..... Knox County
Hampton, Ruth ..... Knox County
Hammons, Frank ..... Knox County
Harris, Evelyn ..... Knox County
Helton, Owen ..... Knox County
Hembree, A. B. ..... Knox County
Hensley, Walter ..... Clay County
Ingram, Willa ..... Bell County
Jones, Bessie ..... Knox County
Jackson, Blanche ..... Knox County
Jones, Maude ..... Knox County
King, Rosa ..... Knox County
Langdon, Nancy ..... Clay County
Mays, Cecil ..... Knox County
Mealer, Loretta ..... Knox County
Mealer, June ..... Knox County
McGaffee, Elmer ..... Bell County
Miller, Nina ..... Harlan County
Miller, Effie ..... Knox County
Miller, Flonnie ..... Pulaska County
Mills, Maude ..... Knox County
Nelson, Jeanna ..... Richmond County
Noe, Madaline ..... Harlan County
Owens, Raymond ..... Knox County
Pope, W. H. ..... Knox County
Pope, Lovella ..... Harlan County
Parker, Martha ..... Knox County
Payne, Chester ..... Knox County
Phillips, Mattie ..... Laurel County
Rader, Mildred ..... Knox County
Reynolds, James ..... Knox County
Shupe, Florence ..... Knox County
Shupe, Mable ..... Knox County
Smith, Dorothy ..... Knox County
Taylor, Gladys ..... Knox County
Todd, Anna ..... Knox County
Turner, Elbert ..... Knox County

Valentine, Virginia .....Knox County
Warfield, Ruby .....Knox County
Warren, Rhuamy .....Knox County
Williams, Clyde .....Knox County
Wells, Martha .....Knox County
Williams, Stella .....Henry County
Wilson, Edgar .....Knox County
Wilson, Myrtle .....Knox County
Wilson, Viola .....Knox County
Williams, Sankey .....Johnson County
Wyatt, Eltybye .....Knox County

Bulletin

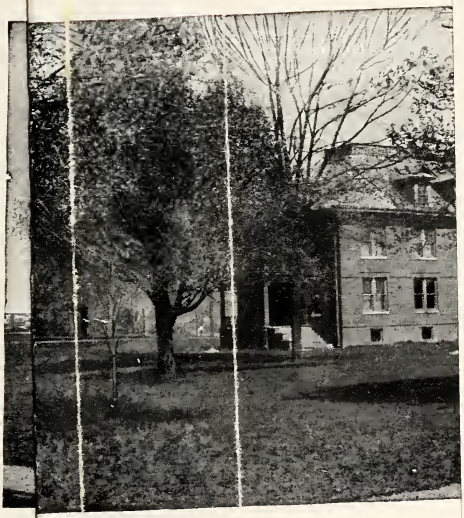
of

Union College

1929-30

Catalogue Number

Barbourville, Kentucky.

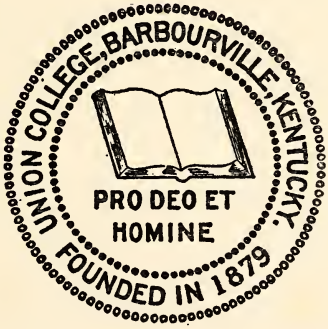


T BODY

GENERAL VIEW OF UNION COLLEGE CAMPUS AND PART OF STUDENT BODY

Bulletin of Union College

CATALOGUE FOR THE YEAR 1928-29
WITH
ANNOUNCEMENTS FOR THE FIFTY-FIRST YEAR, 1929-30



Member of Kentucky Association of Colleges and Universities

Recognized as a Standard A Grade College by the University of Kentucky and the State Department of Education

Entered as second class matter May 4, 1922, at the post office at Barbourville, Kentucky, under the Act of August 24, 1912.
Volume VIII, No. I.

CALENDAR OF THE COLLEGE YEAR

SUMMER SESSION

1929

JUNE 3, MONDAY—*Summer Session begins.*
JULY 6, SATURDAY—*Summer Session ends.*

FIRST SEMESTER

SEPTEMBER 16, MONDAY—*Registration.*
SEPTEMBER 17, TUESDAY—*Class work begins.*
NOVEMBER 28, THURSDAY—*Thanksgiving Day.*
DECEMBER 20, FRIDAY, 3:40 P.M.—*Christmas Holidays begin.*
DECEMBER 31, TUESDAY—*Class work resumed.*

1930

JANUARY 23-JANUARY 25—*Semester examinations.*
JANUARY 25, SATURDAY—*First semester closes.*

SECOND SEMESTER

JANUARY 28, TUESDAY—*Second semester begins.*
APRIL 18, FRIDAY, 3:40 P.M.—*Easter holidays begin.*
APRIL 22—TUESDAY—*Class work resumed.*
MAY 25-28—*Commencement exercises.*

SUMMER SESSION

JUNE 2, MONDAY—*Summer Session begins.*

BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

*Bishop T. S. Henderson.....Cincinnati, Ohio
**President E. T. Franklin.....Barbourville, Ky.

Class No. 1—Term Expires in 1929

Rev. E. P. Hall, *Vice President*.....Harlan, Ky.
Mr. A. B. Cornett.....Harlan, Ky.

Class No. 2—Term Expires in 1930

Rev. E. R. Overly.....Ashland, Ky.
Mr. Harry E. Bullock.....Lexington, Ky.
C. B. Nordeman, *President*.....Louisville, Ky.

Class No. 3—Term Expires in 1931

Rev. W. W. Shepherd.....Russell, Ky.
Hon. Alvis S. Bennett.....Hartford, Ky.
Jakie Howard.....Pineville, Ky.

Class No. 4—Term Expires in 1932

Rev. John O. Gross.....Barbourville, Ky.
†H. H. Miller .....Ashland, Ky.
Rev. John W. Potter.....Kokomo, Ind.

Class No. 5—Term Expires in 1933

Rev. John Lowe Fort.....Louisville, Ky.
Hon. James D. Black, *Treasurer*.....Barbourville, Ky.
Mr. Henry Payne.....London, Ky.

Class No. 6—Term Expires in 1934

Rev. J. R. Wood .....Maysville, Ky.
A. M. Decker .....Barbourville, Ky.

*Died February 11, 1929.
**Resigned November 15, 1928.
†Died March 18, 1929.

ADMINISTRATION

J. O. Gross ..... President
C. C. Smith ..... Dean of the College
Abigail E. Weeks ..... Librarian
Jas. D. Black ..... Treasurer
James F. Blair ..... Assistant Treasurer
Georgia Haswell ..... Registrar

COMMITTEES

The President is ex-officio member of all committees.

Admission and Advanced Standing: Dean, Registrar, Hyde.

Athletics: Humfleet, Bacon.

Catalog and Schedule: Dean, Registrar, Hyde, Weeks, O'Kelly.

Chapel: Dean, Eversole.

Discipline: Dean, Bacon, Weeks, Humfleet.

Entertainment and Calendar: Smith, Cate, Eversole.

Library: Hyde, Smith, Librarian.

Personnel: Steacy, Blair, Registrar.

Religious Activities: Cate, Peavy, O'Kelly.

Student Publications: Weeks, Smith, Bacon.

FACULTY

JOHN OWEN GROSS, A.B., S.T.B.

PRESIDENT

Bible

A.B., Asbury College, 1918; S.T.B., Boston University, 1921; graduate student, University of Cincinnati, 1929; President of Union College, 1929.

CHARLES CLARK SMITH, A.B., A.M., S.T.M., D.D.

DEAN

Religious Education and Moral Philosophy

A.B., Simpson College, 1901; A.M., Simpson College, 1902; S.T.B., Boston University, 1904; three semesters graduate work under Borden P. Browne, Boston University; graduate work, summer quarter, Northwestern University, 1920; D.D., Simpson College, 1923; S.T.M., Boston University, 1927; Professor of Philosophy and Religious Education in Hedding College, 1919-22; Professor of Philosophy and Religious Education in Oklahoma City University, 1923-26; Dean and Francis Landrum Memorial Professor of Ethics and Moral Conduct, Union College, 1927.

ABIGAIL E. WEEKS, A.B., A.M.

LIBRARIAN

English Department

Graduate of State Normal School, Mansfield, Pa.; A.B., Dickinson College, 1905; A.M., 1907; special work in English at Chautauqua, New York; A.M., Columbia University, 1920; taught several years in graded and high school; head of the Department of English in Union College, 1905-1907, 1910-1915; after two years' absence recalled to the head of the English Department, 1917-

I. B. PEAVY, B.E., M.E., M.Pd., M.S.

Biology

B.E., M.E., and M.Pd., Edinboro State Normal School; M.S., Taylor University; B.E., 1891; M.E., 1893; M.Pd., 1903; M.S. 1908; graduate work, summer school, 1927; five years principal high school; 15 years teacher of science and methods and assistant principal in Edinboro State Normal School at Edinboro, Pa.; nine years teacher of science and educational subjects, and for seven years principal of the Academy at Taylor University; Union College, 1920-

FREDERICK W. STEACY, A.M. Ph.D.

Education

A.B., McGill University, 1897; A.M., 1913; Ph.D., Columbia University, 1917; Professor of Philosophy and Education in Florida State College for Women, Huntington College, and Howard College; Professor of Education, Union College, 1927-

ARTHUR M. HYDE, A.M., Ph.D.

History

A.M., Yale University; Ph.D., University of Illinois, 1927; Professor of History, Washburn College and Whitworth College; Professor of History, Union College, 1927-

FLORENCE M. CATE, A.B., A.M.

Latin and French

A.B., Morningside College, 1902; University of Chicago, summers 1906, 1907, 1910; M.A., University of Michigan, 1912; Mont. Notre Dame Convent, Sherbrooke, Canada, fall term, 1914; University of Michigan, summer 1916; University of Wisconsin, summers 1918, 1919, 1922, 1924; Middleburg French School, summer 1927; University of Kansas, summers 1913, 1917; Spring semester, 1914; regular year 1927-28; Professor of Latin, Southwestern College, 1906-1914; Professor of Latin and French, Southwestern College, 1915-1919; Instructor in French, University of Kansas, 1919, 1921-; Professor of French, Southwestern College, 1921-1927; part-time Instructor in French, University of Kansas, spring semester, 1928; Professor of Latin and French, Union College, 1928-

ARLIE A. O'KELLY, A.B., Ph.D.

Chemistry

A.B., University of Arkansas, 1926; Ph.D., University Colorado, 1929; Instructor, University Colorado, 1926-29; Professor of Chemistry, Union College, 1929.

ETNA DOOP SMITH, A.B., A.M.

English

Simpson College, two years; summer quarter, Northwestern University, 1921; A.B., Oklahoma City University, 1924; A.M., Oklahoma State University, 1925; taught Extension Department, Oklahoma City University, 24-25; English, Oklahoma University, 26-27; Instructor in English, Union College, 1927-

J. R. BACON, A.B.
Physical Education

A.B., Kentucky Wesleyan College, 1926; graduate student, Notre Dame University, summer 1927; University of Wisconsin, summer 1928; Director Physical Education, Union College, 1929.

GEORGIA M. HASWELL, A.B.
REGISTRAR
Mathematics and Physics

A.B., Ohio Wesleyan University, 1926; graduate student, Ohio State University, summer session, 1929; Professor of Mathematics and Physics, Union College, 1929.

ETHEL G. EVERSOLE, B.S.M.
Piano and Voice

Oberlin Conservatory of Music, B.S.M., 1929; teacher Piano and Voice, Union College, 1929.

CHARLES E. AHLER
Violin, Reed and Wind Instruments

A student under some of the outstanding teachers of violin and orchestra instruments. Taught in Union College two years. Has since had charge of the orchestra and band in three of the leading military academies in this country. He returned to Union College 1928-

DANIEL M. HUMFLEET, A.B.
Normal and Academy

A.B., Union College, 1925; State Certificate, Kentucky State Board of Education; special student in Science, University of Kentucky Summer School; student of Methods, Science and Mathematics, Eastern Kentucky State Normal; graduate student, George Peabody College for Teachers, summer, 1928; teacher in Rural Schools; Principal of Graded and High Schools; Professor in Normal Department of Sue Bennett Memorial School, London, Kentucky, 1910-12; Principal, Normal Department of Union College, 1915-20; Professor of Science and Mathematics, Union College Normal and Academy, 1920-

UNION COLLEGE

LOCATION

UNION COLLEGE is located in Barbourville, the county seat of Knox County, Kentucky, with a population of approximately 2,500. It is beautifully located at the confluence of Richland Creek and the historic Cumberland River and is surrounded by some of the low hills of the Cumberland range. It has natural gas, water works, electric lights, and paved streets. The moral tone is high and its citizens are made up largely of refined and law-abiding families—most of them being members of the four churches—Methodist, Baptist, Christian, Presbyterian.

Barbourville is the oldest town in southeastern Kentucky and has always been near the main highways of travel. The old "Warrior's Trail," the principal Indian route before the coming of the white man, is near Barbourville. The first white man to enter Kentucky, with the view of opening it for settlement, Dr. Thomas Walker, visited the site of the town in 1750 and near by erected the first house in the state. The Wilderness Road, laid off by Daniel Boone, and for many years the main artery of travel for the pioneers, crossed the state just east of Barbourville. Now the United States Highway No. 25, the best and shortest route from the north to the south, passes through Barbourville. Buses that make connections with points north and south pass through the town hourly. The Louisville & Nashville Railroad also affords excellent train service.

HISTORY OF UNION COLLEGE

Union College was started in a modest way in 1879 by a group of progressive citizens of Barbourville. They formed a stock company and by donation secured a beautiful location. In 1880 the first building was for-

mally opened on the site of the present Administration Building. Mr. A. H. Harriet, who was instrumental in the organization of the school, was its first principal. The local group soon discovered the debt for the building and improvement to be their embarrassment and in 1886 it was ordered sold by the court. The Rev. Daniel Stevenson, the president of Augusta Collegiate Institute at Augusta, Kentucky, was then looking for a new location. He became interested and in 1886 purchased the property for the Board of Education, Kentucky Conference, Methodist Episcopal Church. He became the first president under the new management and during his term was instrumental in enlisting the friendship of Mrs. Fanny Speed, who later left the College a legacy that guaranteed its permanence.

Dr. Stevenson ranks as one of Kentucky's foremost educators. He was graduated from Transylvania when Dr. Henry Bascom was its president. As a member in the Kentucky Conference, Methodist Episcopal Church, South, he was one of the leaders that helped in founding Kentucky Wesleyan College. In 1863 he was elected the first full-time superintendent of public instruction in Kentucky and was a great power in popularizing public education in the state. He brought to the presidency of Union this mature experience and placed its objectives in clear view.

Upon the death of President Stevenson, the Reverend James P. Faulkner, a member of the first graduating class of Union College, was elected to succeed him. During the administration of President Faulkner, the Board of Education came into possession of the bequest by Mrs. Fanny Speed, and from that time the expansion of the school became marked. During this administration there were planned and the work begun on Fanny Speed Hall, and the Central Power and Heating Plant. They were not available for use, however, until the beginning of the next administration, that of Reverend James W. Easley, B.D., A.M., whose term of office began in 1905. The coming

of the elective system and the broadening of the curriculum seemed like an impossible task to those in charge of the college, so the college department was gradually dropped and for several years Union was an academy and a graded school. During the summer of 1906, the Administration Building was struck by lightning and burned to the ground. One year later it was replaced by a more commodious building and Stevenson Hall was also erected.

Upon the resignation of President Easley in 1910, Judge James D. Black, LL.D., of Barbourville, later Governor of Kentucky, became the fourth president of Union College. Under his management the material as well as the less tangible interests of the school progressed with rapid strides. The two years of President Black's connection with the school will be remembered as years of solid growth.

For the next three years the school was under the leadership of President Percy L. Ports, for several years Professor of Natural Science in Union College, followed by the Rev. E. R. Overly, president, who was assisted by B. C. Lewis as vice-president and business manager. These were years in which a change was taking place with regard to the scope and nature of the work that Union College should do in the future.

In 1915 the Board of Education of our Church, through its corresponding secretary, Dr. Thomas Nicholson, now Bishop of the Detroit area, became deeply interested in Union College and assisted the Conference Board of Education in planning for its future. About the same time, the Conference Board elected Professor Ezra T. Franklin president, who, working in close co-operation with the General Board of the church soon formulated a far-reaching, practical program that made the progress of Union College rapid. In 1919 the new Memorial Gymnasium was completed and, in 1925, a new home for the president. An endowment and financial campaign

helped to provide these improvements and materially aided in increasing the invested funds of the College. The assistance from this development, together with the bequest of Mrs. Obed J. Wilson in 1927 of $50,000, for the establishing of a professorship known as the "Francis Landrum Professor of Ethics and Moral Conduct," and the increase in the holdings of the college, has lifted the endowment to approximately $425,000. The aim now held is $500,000, and that appears reasonably sure in the near future.

Under the administration of President Franklin, the college course was restored and its expansion was rapid. In 1927 the University of Kentucky gave Union College the rating of a standard four-year college of A grade. Since then, Union has been admitted as a member of the Kentucky State College Association. The future of Union College is no longer problematical and, with its splendid plant and equipment conservatively valued at $325,200, and its strategic location in the rapidly developing section of the state, the institution is destined to become one of the outstanding colleges of the country.

President Franklin severed his relationship with the College, November 15, 1928, to become president of Southwestern College, Winfield, Kansas. He was succeeded on February 1, 1929, by the Reverend John Owen Gross.

AIM AND PURPOSE

Union College aspires to be a Christian college. Its constitution provides that it will "devote its efforts and being to the interest of Christian Education and to qualify and equip men and women to engage creditably in the several employments, callings and avocations of peaceful and progressive society and to discharge honorably and usefully the various duties of life." It is under the direction and control of the Methodist Episcopal Church of Kentucky. While this is true, it is not a sectarian school, but is endeavoring to render a service, not only to its

conference constituency, but also to the young people of the mountain territory in which it is located. Union College endeavors to maintain a Christian atmosphere by securing for its faculty only those persons who can accept, heartily and without reserve, the ideals for which the school stands. In its chapel services and special evangelistic meetings it emphasizes the importance of accepting Christ as a personal redeemer, constant guide and inspiring ideal.

As an educational institution Union College desires to do a work that will justify its standing as an A grade college. Its faculty is selected with a view of acceptable scholarship and specific training for the particular subjects that are taught. It desires also to take into consideration the student, with whom the faculty is urged to be ever patient, sympathetic and helpful.

BUILDINGS

Administration Building—The main building is an impressive three-story structure of brick, trimmed with Tennessee marble. On the first floor are five classrooms, the College offices and library. On the second floor are the chemical, physical and biological laboratories, the chapel that seats four hundred persons, two music studios and two classrooms. The ground floor has the kitchen, dining hall and domestic science department.

Fanny Speed Hall is a three-story, home-like building for young women. On the first floor it has a large parlor, apartment for the matron, sewing room and laundry. It is heated with steam and has modern conveniences.

Stevenson Hall is a three-story brick building of colonial design and is the dormitory for young men. The rooms accommodate two students each and some of them have running water.

Soldiers and Sailors Memorial Gymnasium—This building was erected in 1919 as a memorial to the soldiers

and sailors of the World War. It contains a standard basket ball court and a running track. The basement has a standard sanitary swimming pool with showers, lockers, and dressing rooms.

President's Home—This is a beautiful two and one-half-story brick veneer building. It is well arranged for taking care of groups and is modern in equipment and furnishings.

Superintendent's Cottage—This is the oldest building on the campus and was erected and occupied by Dr. Stevenson during his tenure as president. It is a frame cottage of five rooms and is the home for the superintendent of buildings and grounds.

CAMPUS

Union College is proud of its beautiful campus. The buildings are attractively placed among some twenty different varieties of native trees. Cement walks connect them with each other and with the street.

Athletic Field—The athletic field lies immediately back of the campus and affords ample room for football and baseball games. There are also five hard clay tennis courts and a croquet ground.

UTILITIES

Heating Plant—All of the buildings are heated from a central plant that is situated some distance from the other buildings. This not only lessens the fire hazards, but provides greater cleanliness. In the same building there is also a forty horse-power Skinner automatic engine, directly connected with a James Clark, Jr., 25 K. W. direct current dynamo, with which the college generates its own lights. There are also three steam pumps here. In the shop is one screw-cutting lathe, drill-press and a full complement of metal and wood-working tools.

Fire Protection—The buildings are furnished with hand chemical fire extinguishers. Large water pipes run into the buildings with water hose attached on each floor.

Water—The water used for drinking purposes comes from a cased well near the girls' dormitory, which is 100 feet deep and furnishes water from the deep-lying sandstone.

Sewage—The College has a modern sewage system extending one-half mile to Richland Creek.

EQUIPMENT

Library—The Speed-Stevenson Library, containing seven thousand volumes, was established by Mrs. Fanny Speed, of Louisville, Ky., and Mrs. Stevenson, wife of the first president of Union College. Other generous donors have been:

The late Professor George H. Daines.
The Honorable John H. Wilson, of Barbourville, Ky.
Kentucky Methodist Conference.
Mrs. J. H. Good, of Ashland, Ohio.
Mrs. John R. Eads.
The Reverend J. R. Watkins.
Mrs. E. J. Langdon.
Dr. E. C. Waring, editor, *Western Christian Advocate.*
The Reverend W. B. Collins, one time pastor, Trinity Church, Louisville, Ky.
Mrs. F. E. Baldwin, Elmira, N. Y., and
Mrs. Harold Means, Ashland, Ky., through gift of $1,000 each.
Mr. W. G. Bennett, Louisville, Ky.
The Reverend J. C. Arabuckle, Columbus, Ohio.
Garrett Biblical Institute.
Drew Theological Seminary.
Dr. A. M. Hyde.

A recent gift of $5,000 provides equipment for the Library and Science Laboratories.

LABORATORIES—*Chemistry*—Accommodations are provided for seventy-two students at standard desks equipped with running water and natural gas. Distilled water is supplied by a gas still. A hood, equipped with gas and water, forms part of the laboratory facilities. A well-lighted balance room houses three analytical balances. The stock rooms contain sufficient supplies of glassware, apparatus and chemicals to care for the demands of any courses offered.

Physics—This equipment includes all the standard apparatus necessary to meet the requirements of a general college course. Special equipment is provided, such as the Ingersol Eye Model, Anco Color Mixer, Knipp's Alpha Ray Track Apparatus and Nelson Vacuum Pump.

Biological—Tables and chairs provide working accommodations for classes of thirty-three students each. The equipment consists of standard dissecting sets, magnifying glasses and compound microscopes. There are many specimens preserved in bottles. Other things, such as human skeletons and models are available.

DOMESTIC SCIENCE—*Sewing Room*—The Sewing Room is equipped with Singer sewing machines, tables, mirror, and such other equipment as is necessary for the work in that department.

Kitchen—The Domestic Science Kitchen is fully equipped with gas stoves, ovens, water, dishes and cooking utensils.

MATHEMATICS—Hardwood models of the various geometric forms are provided. Drawing boards and accessories are provided for classroom work in geometry. Each student is expected to own an inexpensive pair of compasses for home use. For the course in surveying the department has one transit, one level, two compasses, and the usual accessories, including a hundred foot tape,

which has been tested by the United States Bureau of Standards and guaranteed accurate to within .02 of an inch.

MUSIC—The College owns eight upright pianos and there is a concert grand piano in the chapel for the public services and concerts.

SCHOOL GOVERNMENT

Union College requires of its student body good moral conduct. It will not accept students of loose morals or allow them to remain when discovered. Such offenses as gambling, drinking, dishonesty, frequenting places of low moral tone, cheating on examinations and giving bad checks are regarded as sufficient reasons for immediate expulsion. We list herewith some of the campus rules that all dormitory students are expected to observe.

1. The study hours for all students are from 7:30 to 9:30 P.M. During the study periods students must remain in their rooms and preserve quietness. Students must not be out of their rooms after 10 P.M.

2. No student is permitted to leave town without the consent of the president or dean.

3. Students are not allowed to run store accounts without written consent of their parents filed either with the College or the merchants concerned. Merchants who sell to students on their credit do so at their own risk.

4. Dormitory students must obtain special permission before enrolling to own and operate automobiles.

5. Residents of Speed Hall are allowed to receive visitors in the parlor by the permission of the matron, who may require the written consent of the parents whenever she may deem it necessary. Times for social privileges are designated. Union College regards promiscuous mixing as detrimental to good work and insists that all social privileges be regulated according to the formulated rules that are handed to every student upon enrollment.

6. Students will be expected to pay for all breakage and defacement of property, whether accidental or not. Accidents must be reported promptly. A deposit of $5.00 for the men's building and $2.00 for the girls' building must be made at the time of enrollment. What remains of the deposit after paying for the damages, if any have been done, will be refunded ten days after commencement.

The damage fee can be held by the College against any bills owed by the student and credited on such bills.

7. The use of tobacco on the campus, profanity and obscene language will not be tolerated.

8. The dormitories of Union College usually provide adequate rooming facilities for young men and women who are boarding students. This being the case, these dormitories will be filled before permission will be given to room out in town. This permission must be obtained from the president or business manager.

BOARDING STUDENT'S OUTFIT

Boarding students should bring the following articles: Large pillow slips, sheets, pair of blankets, quilt, counterpane, towels, napkins, and covers for bureau and washstand.

GENERAL INFORMATION

1. *Rules Regarding Absences*—Punctual and regular attendance to all scheduled classes is required. The student becomes a member of the class on the date indicated on his schedule card and attendance is reckoned from that. Three tardinesses count as one absence. Absences on the first day before or after a recess count the same as two absences at any other time. When a student's absences in any course equal the number of class periods per week in that course the student must take a special examination. The customary fee of $1.00 is charged for special

examinations. If the absence has been occasioned by prolonged illness or as a representative of the College, the fee may be remitted.

2. *Chapel Attendance*—The student is required to attend chapel and is graded upon his attendance each semester. A grade of A is given a student who has no unexcused absences; B, four; C, six; D, ten; F, more than ten. The student who receives the grade of F loses one quality credit for each unexcused absence below the grade of D.

3. *Church Attendance*—Each student is required to attend Sunday school and the Sunday morning worship at the church of his choice as indicated at the time of enrollment. It is also expected that each student shall attend all religious services under the direction of the College.

4. *Dropping Work*—After once enrolling in a class, the student can not drop the work except by the consent of the dean and the teacher in charge.

5. *Examinations*—Examinations in all the courses of the College are held at the end of each six weeks' period. Students are expected to present themselves at the scheduled time and will not be excused except for reasons approved by the instructor. A fee of $1.00 will be charged for each extra announced examination or test.

6. *Faculty Advisor*—Each student enrolled will select not later than three weeks after he is enrolled a faculty advisor. After a student has selected his major subject at the beginning of the Junior year, his major professor will be his advisor. The purpose of this plan is to bring each student into a close personal relationship with a faculty member. The faculty advisor will not only aid the student assigned to him by his counsel and personal relationship, but will also be asked to approve, along with the dean, the student's request for excuses.

7. *Mail*—All mail should be addressed to the student in care of Union College. Mail will be delivered twice a day by the College mail carrier.

THE JOSHUA S. AND ELIZABETH TAYLOR SCHOLARSHIPS

The Rev. Joshua S. Taylor and Mrs. Elizabeth Taylor, of Middleburg, Ky., left to Union College the sum of $3,100, the income of which is to be used to help needy young men studying for the ministry in the Methodist Episcopal Church in Kentucky.

The Board of Education has ruled that this money may be spent on the basis of need together with the promise of future service to the Church. That is to say, a young man who is studying for the ministry in the Methodist Episcopal Church, who needs some financial assistance, and who has promise of making a useful man, will receive help, rather than the man who needs no financial help or the man who is comparatively indifferent about his call to the ministry. It is a real pleasure to help the young man who is dead-in-earnest and needs help.

Application for a Taylor Scholarship should be made to the President of the College.

ATHLETICS AND PHYSICAL TRAINING

Union College believes in clean athletics and undertakes to conduct it on a high ethical plane. Union has good teams and every year match the leading colleges of our state and Tennessee in football, basket ball, baseball and tennis.

All students are required to take two hours a week in physical training. This includes inter-mural games of basket ball, volley ball and tennis. The gymnasium is supplied with all kinds of apparatus to be used in the calisthentic classes. The large swimming pool is open to boys three days a week and to girls three days a week.

Hiking parties into the mountains are frequently arranged and conducted by proper chaperonage.

Expenses

Union College is operated very economically and the expenses are kept reduced to a minimum. However, what a student pays does not represent but about one-third of the cost entailed for his education. The difference must be procured from the invested resources of the College. Our low charges enable students to secure an education who could not do so if they were compelled to pay the entire expense. In order to keep the atmosphere democratic and congenial for all students, Union College discourages parents furnishing much spending money for their children. It also desires simplicity and modesty in dress.

All bills are charged by the semester and are payable in advance. It is expected that bills be paid when the student enrolls. They must be paid within ten days or the student will be dropped from school.

There will be no reduction of general tuition for those entering two or three weeks late since it requires extra care to bring the student up with his classes.

If a student takes Music or Expression for less than a term or fewer than two lessons a week, the lessons will be at a higher rate than by the term.

Credit for board will be allowed at the rate of $3.50 a week where a student enters late or leaves before the close of the term.

Bring enough money, or preferably a check or draft, to pay tuition and board for a semester. Save a little for books and incidentals.

TUITIONS

	First Semester	Second Semester
College	$45.00	$45.00
Academy	25.00	25.00
Normal	25.00	25.00
Expression—Two lessons a weeks	27.00	27.00
One lesson a week	15.00	15.00
Piano—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00

Voice—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00
Harmony or History	10.00	10.00
Violin—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00

Reed or Wind Instruments—Same as Violin.

LABORATORY AND RENTAL FEES

	First Semester	Second Semester
Zoology	$ 3.00	$ 3.00
Physics	3.00	3.00
Chemistry 1	4.00	4.00
Chemistry 2	6.00	6.00
Piano rental, one hour daily	4.50	4.50

BOARD AND ROOM

	First Semester	Second Semester
Board and room, including light, heat, water, and mail service	$90.00	$90.00

MISCELLANEOUS

Breakage deposit in Boys' Hall, refunded when key is turned in if everything is in good condition $5.00

Same, in Girls' Hall 2.00

All girls living in Speed Hall will pay fifty cents a semester for the use of electric irons for ironing and pressing.

Special Examination 1.00

College, Academic or Music Diplomas 5.00

Student Activity fee, per semester 8.00

(This fee is paid by all students and covers all expenses for gymnasium, admission to athletic games, all sports, lyceum, and a subscription to the College paper, *The Orange and Black.*)

Certificates in Music Courses 1.00

Total expenses for board and room, tuition and Gymnasium and Student Activity fee for the different departments are as follows:

	First Semester	Second Semester	Year
College	$143.00	$143.00	$286.00
Academy or Normal	123.00	123.00	246.00

REFUNDING

No fees will be refunded.

No tuition will be refunded. But in case of protracted sickness when the student has to drop out of the term's work a non-transferable due bill will be given covering tuition for the time lost.

If private lessons in music or expression are missed by the fault of the teacher or school, they will be made up or the tuition refunded for the time lost. If the student fails to report for lessons the College will not be responsible, and there will be no refunding of tuition.

College of Liberal Arts and Sciences

ADMISSION FROM ACCREDITED HIGH SCHOOLS

Graduates from High Schools on the accredited lists as shown by State Departments of Education or other reputable standardizing agencies will be admitted to the Freshman Class upon presentation of a certificate signed by the principal or superintendent of such a high school. Blank certificates may be obtained by writing the President of Union College, Barbourville, Ky.

ADMISSION BY EXAMINATION

Candidates for admission who are not graduates of accredited high schools will be required to take thorough examinations to establish their scholarship before being admitted.

REQUIRED

Algebra	1
Geometry	1
English	3

ELECTIVES

English	½ to 1
Latin	1 to 4
French	2
German	2
Spanish	2
Solid Geometry	½
Physics	1
Physical Geography	½
Botany	½ or 1

ELECTIVES

Zoology	½ or 1
History	1 to 4
German	2
Physiology	½
Chemistry	1
General Science	½ or 1
Greek	2
Economics	½
Psychology	½
English Bible	½ to 1
*Bookkeeping	1
Domestic Science	1 to 2
Manual Training	1
Mechanical Drawing	1
Music	1 or 2

ENTRANCE SUBJECTS

To enter College the student must present at least fifteen "units" of high school work. A "unit" is the

*Not more than three units may be offered in Bookkeeping and the subjects listed after it and other vocational subjects.

amount of work done in a standard high school running thirty-six weeks with at least forty minute recitation, five days a week. Double periods are required for laboratory work.

ADMISSION TO SPECIAL STUDENTS

As a rule students desiring to pursue college work will be entered in a regular class looking toward graduation, yet under exceptional circumstances students who are not candidates for a degree may be permitted to take selective studies. However, such students must satisfy the faculty that they are able to take with profit the work selected. Each case will be decided on its own merits.

ELECTIVE WORK

Every subject in any regular course will be taught as scheduled, however few demands there may be in that course for that subject; but all electives must have a reasonable number of students before the formation of such a class will be obligatory upon the institution. But if deemed expedient by the President and Professor in charge of the course, a class may be formed for any number whatsoever.

Any course in the regular College courses may be elected by students in whose regular course it does not appear, but credit will not be given on a new language for less than six hours.

Students who present for entrance, work that is required in the College will have the privilege of electing that much more of their College Course.

ADVANCED STANDING

Advanced standing will be given students who present work done at other institutions of like grade. Work done at institutions on the trimester plan will be accredited at proper ratio. No student should expect to receive full credit for work done at institutions not having equal

entrance requirements. Enough to satisfy the entrance requirements will be deducted and the remainder will be accredited.

REQUIREMENTS FOR GRADUATION

The Bachelor of Arts Degree (A.B.) will be conferred upon the completion of 124 semester "hours," including the required work and a major and two minors to be chosen by the student not later than the beginning of the Junior year.

Four of the 124 hours required for graduation should be taken in physical education during the Freshman and Sophomore years, one hour each semester.

The "hour" is the work done in a class meeting one period each week for a semester. Two periods of laboratory work is equal to one hour of class work.

The last thirty hours of the College course must be done in residence in this institution by all students who are candidates for the Bachelor of Arts degree.

The required work is listed and the amount of elective work is stated under the curriculum. When the major and minors are selected the amount of elective work will be reduced accordingly.

A major subject and two minor subjects must be chosen not later than the beginning of the Junior year. One must be correlated to the major subject. The other minor may be selected from any field approved by the professor in charge of the major subject together with the Dean.

The work in the major subject will cover not less than twenty-four hours nor more than thirty-six hours and a minor not less than twelve hours.

The specific requirements of all candidates for the bachelor's degree are

English—Six hours in English Composition. Six hours in English Literature.

FOREIGN LANGUAGE—Twelve hours. A beginning course in Foreign Language may not count toward this requirement unless a second year is taken in the same language.

HISTORY, POLITICAL SCIENCE AND ECONOMICS—Twelve hours. If two or more units of History are offered for entrance, the requirement may be reduced to nine hours. If a course in Modern History is not offered for entrance, Modern History must be taken in college. In any case, at least six hours in History and three hours in Political Science or Economics must be taken.

SCIENCE AND MATHEMATICS—One year in Biological Science and one in Chemistry or Physics. If a satisfactory laboratory course was taken in junior or senior years of High School in Biology, Chemistry or Physics, that subject may be substituted with either Mathematics or some other science.

BIBLE, RELIGIOUS EDUCATION, PSYCHOLOGY—Six hours in Bible, three hours in Religious Education and three hours in Psychology.

CLASSIFICATION

Classification of students is determined by both quantity and quality credits. For Sophomore classification the student must have 25 quantity and at least 25 quality credits. For Junior promotion 55 quantity and 55 quality credits are required. For admission into the Senior class 88 quantity and at least 88 quality credits must be presented in September.

HONORS IN SCHOLARSHIPS

Honors in scholarship are recorded on the diplomas of the students winning them, and published on the Commencement program.

Honors in General Scholarship—two grades of honors, designated respectively as honors (*cum laude*) and high honors (*magna cum laude*) are conferred at graduation

upon students who satisfy the following conditions of scholarship:

Honors in general scholarship are awarded to those students who have attained a grade of A in 60 hours of the total required for graduation, and a grade not lower than B in 40 hours more.

High honors are awarded to those students who have attained the grade of A in 100 hours of the total required for graduation.

Students completing more than 124 hours for graduation, must attain the same ratio of hours in A and B.

Students coming from other colleges may receive general honors on completing two years of resident study and satisfying the conditions of scholarship prescribed by the Faculty; provided they furnish also such evidence of high scholarship in the institution from which they came as may, in the judgment of the Faculty, entitle them to become candidates for honors under the regulations.

CURRICULUM

Freshman

FIRST SEMESTER		SECOND SEMESTER	
English Composition	3	English Composition	3
Foreign Language	3 to 4	Foreign Language	3 to 4
Science	4 to 5	Science	4 to 5
*History, Mathematics or Education	3	*History, Mathematics or Education	3
Bible	2	Bible	2
Physical Education	1	Physical Education	1

Sophomore

English Literature	3	English Literature	3
Foreign Language	3	Foreign Language	3
Science or Mathematics	3 to 5	Science or Mathematics	3 to 5
Physical Education	1	Physical Education	1
†Elective	6 to 8	Electives	6 to 8

*A student expecting to make a certificate to teach at the end of his Freshman year should take three hours in Education each semester, otherwise he should take History or Mathematics.

†If History was not taken during the Freshman year it should be taken during the Sophomore year. If a student is working for a life certificate he must take three hours in Education each semester, making a total of twelve hours in Education.

Junior

Psychology	3	Religious Education	3
‡Electives	12	Electives	12

Senior

‡Electives	15	Electives	15

QUALITY OF WORK

The one hundred twenty-four semester hours of work must be of such a character as to make at least one hundred twenty-four "points" on the following scale:

One semester hour completed with a grade A counts three points.

One semester hour completed with a grade B counts two points.

One semester hour completed with a grade C counts one point.

Grades below C do not count for points.

EXAMINATIONS AND GRADES

Written tests are given at the end of the sixth and the twelfth week of each semester and final examinations at the close of each semester. Test and examination grades, together with the daily grade, constitute the semester grade. Grades are reported in letters as follows: A, B, C, D, E, F, I, and W. Grade A means *excellent;* grade B means *good;* grade C, *fair;* grade D, *unsatisfactory;* grade E, *conditioned;* grade I, *incomplete;* grade W, *withdrawn;* grade F, *failed.* If the student is carrying extra work no D grade and only one C grade a term will count towards graduation. No completed course will be marked

‡Any required work in the History group, Foreign Language group, or other group requirements not finished during the Freshman and Sophomore years should be finished during the Junior year, if possible.

Major and Minor requirements must be kept in mind in making a schedule for the Junior and Senior years.

E. Only a continued course will be marked E when the teacher thinks the student may make up the deficiency before the course is completed. If the student does not make up the deficiency the whole course will be marked F. A grade of F means that the course must be dropped. If for good reason presented to the teacher, the student receiving grade F desires to take another examination, the teacher may give it upon receipt of order for special examination. Credit toward graduation will not be given on a course not completed, except in certain courses where the work done will justify.

An order for special examination may be obtained at the Office by paying a fee of $1.00. Examinations other than those set for the class shall be classed "special examinations," and can not be held except by order for same.

The object of this ruling is two-fold. 1. To assure attendance upon examination. 2. To spare a busy teacher the waste of time.

PRE-MEDICAL WORK

Under approved conditions, Union College will permit a student to take three years of work in the College of Liberal Arts and grant the degree of Bachelor of Arts upon the completion of the first year in a standard medical school.

College Department of Instruction

DESCRIPTION OF STUDIES

Union College reserves the right to withdraw any course for which the enrollment does not justify its continuation.

The courses are numbered according to the following plan:

(a) The courses of each department are divided into four groups, corresponding approximately to the freshman, sophomore, junior and senior years.

(b) The following numbers are used for the various groups respectively: 100-199, 200-299, 300-399, 400-499.

(c) Unless otherwise stated, students of any rank who have had the required prerequisites are eligible for admission to the courses of any group.

First semester courses have odd numbers and second semester courses have even numbers. Example: 131 is an elementary first semester course; 132 is an elementary second semester course.

(d) Repeated semester courses retain the same number, regardless of the semester in which they are given.

(e) The middle digit of each number indicates the number of hours in the course. Example 131 is a three hour course.

ENGLISH

The English work is fundamental to all other courses. All students are required to take courses 131-132, 231-232 and are encouraged to take as much more as they have time to give to this field.

Students majoring in English will take courses 331-332 and elect at least eighteen hours more from the other courses under the direction of the head of the department.

For a minor in English take courses 331-332, and at least six hours more selected under the advice of the department.

Those majoring in English will take one minor in Latin, French or History.

DEPARTMENT OF ENGLISH

PROFESSOR ABIGAIL E. WEEKS
MRS. ETNA DOOP SMITH

English Language

ENGLISH 131-132—*Composition.* The purpose of this course is to train the student to use the English idiom with a reasonable degree of accuracy, force, and ease. Success depends upon a knowledge of principles, a study in application of principles, and upon tireless practice. Many themes are required; these are criticized by the instructor, and personal conferences held at his discretion. Instruction is flexible in methods; freshness and variety are constantly sought. Required of all Freshmen.

Three hours a week throughout the year.

ENGLISH 221-222—*The Scribblers' Club—Advanced Composition.* Open to all College students who like to scribble. Its purpose is to develop organization, fluency, vocabulary, and style. The first semester is given to an elementary course in Journalism, with the publication of *The Orange and Black* as a laboratory project.

The second semester is given to advanced Composition, with frequent study of forms from current literature. Original stories, essays and plays are written.

Two hours throughout the year.

ENGLISH 233—*College Grammar.* Open to all who feel their need of a course in Grammar.

First semester, three hours.

ENGLISH 234—*Word Study.* This course aims to give students a vital interest in words as living things, and to increase their delight in acquiring new words for every day use.

Second semester, three hours.

ENGLISH 223-224—*Public Speaking.* This course is an elective to any student who wishes a course in public speaking. It is designed to give the fundamentals of voice control and platform appearance, together with the acquiring of ability to think on one's feet before an audience. Frequent memory gems and original speeches are required of all students.

Two hours throughout the year.

Literature

ENGLISH 231-232—*Literature.* A rapid survey of the development of English Literature from Beowulf to the present, as a background for all further study of Literature. Collateral read-

ing with reports is a regular part of the work. Required of all Sophomores.

Three hours throughout the year.

ENGLISH 321-322—*The Bible as Literature.* This course aims to teach as literature, the stories, the poetry, the drama, with something of the philosophy of the Bible, applying the principles of literary art to the greatest single collection of literature in the world. Elective for Sophomores, Juniors, and Seniors.

Two hours a week.

ENGLISH 331-332—*Elements of Literary Criticism.* A study of the principles of criticism, with abundant opportunity to apply these principles to current criticism, and to literature itself. Required of all who major in English.

Three hours throughout the year.

ENGLISH 333-334—*American Literature.* In general parallels Course 231-232. Alternates with 431-432.

ENGLISH 335—*Lyric Poetry.* From Shakespeare to the present time.

First semester, three hours.

ENGLISH 336—*Epic Poetry.* The Æneid, The Divine Comedy, and Paradise Lost.

Second semester, three hours.

ENGLISH 421-422—*Methods of Teaching English.* Open only to Juniors and Seniors who expect to be teachers of English in the High School.

Second semester, three hours.

ENGLISH 431—*Victorian Poetry.* A detailed study of Tennyson and Browning. Open only to Juniors and Seniors.

First semester, three hours.

ENGLISH 432—*Poetry of Today.* American Poets. English Poets. One-half semester each.

Second semester, three hours.

ENGLISH 433—*Drama.* Study of Development of English Drama from its beginning through Shakespeare and the transition to Ibsen.

First semester, three hours.

ENGLISH 434—*Modern Drama from Ibsen to Shaw and O'Neill.*

Second semester, three hours.

ENGLISH 435—*Nineteenth Century Poetry.* A study of the period of transition from the later Romanticism to the spirit of the nineteenth century proper will precede the regular work which includes a detailed study of the poetry of Arnold, Clough, Browning, Tennyson, Rosetti, and Swinburn.

Two hours throughout the year.

English 436—*Nineteenth Century Prose.* This course parallels Course 435, covering the prose work of Newman, Arnold, Ruskin, Carlyle, Macaulay and others.
Three hours, second semester.

BIBLE, RELIGIOUS EDUCATION AND MORAL PHILOSOPHY

PROFESSOR CHAS. CLARK SMITH

The work in Bible is a literary, historical, social and devotional study of the English Bible with a view to making scholarly and genuine Christian citizens. The work is presented with such thoroughness and appreciation as to remove a too frequent feeling that such study is not worthy of the time of people of affairs.

Religious Education and Moral Philosophy are presented so as to include the best known principles and practices of Christian Education in religion and morals.

Bible 121-122—*The Words of Jesus.* The accepted words of Jesus arranged in chronological order and studied somewhat detached from the writings of the Apostles. Jesus' teachings from the nucleus around which we must build our Christian beliefs and hence are of utmost importance.

Bible 135—*The Birth of the Christian Church.* Historical and interpretive study. The course covers the rise of the early Christian Church under the Apostles. The Book of Acts will be studied in detail. Methods and material for Bible teaching will be in mind. American Standard Bible used as text.
First semester, three hours.

Bible 136—*Old Testament.* Survey of social institutions and ideals of the Old Testament. A topical study emphasizing the principle of development in the production of the Old Testament literature should familiarize the student with Old Testament material and introduce him to problems of interpretation.
Second semester, two hours.

Bible 223—*Life of Christ.* A study of the life and work of Jesus based on the four Gospels with special reference to the social, political and economic background of New Testament times. Each student will write his own life of Christ. This course will be given in sections to meet the need.
First semester, two hours.

BIBLE 224—*The Life and Teachings of Paul.* Saul of Tarsus the missionary and scholar, made such a great contribution to the New Testament that a study of his life and writings is essential to any working knowledge of the Bible. He is the theologian of the New Testament and master worthy of careful study.

MORAL PHILOSOPHY 232—*Christian Ethics and Christian Sociology.* These courses will study ethical and social theories and practices of the past and present in the home, state, nation, and world activities, and apply the best Christian tests known to present Christian leaders.
Three hours throughout the year.

RELIGIOUS EDUCATION 331—*Philosophy of Religion.* A course dealing with the philosophical principles underlying the study of religion. Modern religious problems demand an intelligent analysis and a proper faith must be founded on reasoned out facts. A course designed to help in solving problems in religion and moral conduct.
First semester, three hours.

RELIGIOUS EDUCATION 332—*Old Testament History.* A knowledge of Old Testament History is fundamental to Bible study. Biblical History is as valuable as any history, in addition to the light it throws upon the interpretation of Biblical teachings. Any student who plans to each in Sabbath School or elsewhere should take this course, so as to be equipped for careful teaching.
Second semester.

RELIGIOUS EDUCATION 432—*Psychology of Religion.* This course deals with psychic activities belonging to religious experiences.
Second semester, three hours.

FRENCH

PROFESSOR FLORENCE M. CATE

The aim of these courses is to give the student a knowledge of the language both written and spoken, an appreciation of the literature, a general knowledge of the history and development of the language.

For a major in French take courses 231-232, 331-332, 431-432. Students majoring in French are advised to take course 321-322 also.

For a minor in French take course 231-232, and six additional hours.

Those majoring in French will take one minor in Latin, English, or European History.

FRENCH 141-142—*Elementary French.* Fraser and Squair is used as a grammar and reference book. Conversation and written work. Reading of one easy prose book.
Four hours throughout the year.

FRENCH 231-232—*Intermediate French.* Reading of such authors as Mérimee, Dumas, George Sand, Labiche. Memorizing of poems. One lesson per week in Composition. Conversational French to a large extent.
Three hours throughout the year.

FRENCH 321-322—*French Prose Composition.* This course aims to give the student a better knowledge of writing and speaking French. Open to students who have completed Course 231-232.
Two hours throughout the year.

FRENCH 331-332—*French Literature in First Half of Nineteenth Century.* Study of Victor Hugo, Lamartine, Alfred de Vigny, Alfred de Musset, Chateaubriand. Study of the literature of this period by collateral reading. Open to students who have completed Course 231-232.
Three hours throughout the year.

FRENCH 431-432—*French Classical Drama.* The reading of such writers as Corneille, Racine, Moliere. Outlines of the literature of seventeenth century.
Three hours throughout the year.

HISTORY, POLITICAL SCIENCE AND ECONOMICS

PROFESSOR ARTHUR M. HYDE

Major, 28 semester hours; minor, 18 semester hours. Courses 131-132, 231-232 or 233-234 are prerequisite to the more advanced courses in history. The courses in economics and political science are not to be taken by freshmen except by special permission.

History

HISTORY 131-132. This course has to do with the development of Europe from 1500 to the present time. Of special importance in this course are the intellectual, religious, economic, political and social changes which come with the Protestant Revolution of the sixteenth century, the French Revolution of the eighteenth, the Industrial Revolution of the eighteenth and nineteenth cen-

turies and the very important changes in various fields which come with the nineteenth and twentieth.

Three hours throughout the year.

History 231-232—*History of Great Britain.* Attention is paid to the social and economic development as well as to the political.

Three hours throughout the year.

History 233-234—*History of the United States.* The European background, colonial life, rivalry with the French, the breaking away from Great Britain, the making of our Constitution and the beginning of our national life are studied the first semester; the Civil War and Reconstruction, the expansion toward the west, our industrial growth, receive especial attention the second semester. Omitted in 1929-30.

Three hours a week throughout the year.

History 331—*History of Medieval Europe.* Of special interest because of its institutions which form the basis of those of modern times, such as feudalism, the city state, the beginnings of the national state, the Church, the Holy Roman Empire.

Three hours, first semester. Omitted in 1929-30.

History 332—*History of the Reformation.* Social, intellectual, economic and political changes, important to an understanding of the modern world. Three hours, second semester. Omitted 1929-30.

History 431—*History of the French Revolution and the Napoleonic Period.* A study of the period 1789-1815, with considerable attention to conditions leading to the events of that period. The study is significant as an expression of ideals developing in the eighteenth century and influential in the nineteenth and twentieth.

Three hours, first semester.

History 432—*Twentieth Century Europe.* A study of Europe before, during and since the World War.

Three hours, second semester.

Courses in Political Science

Political Science 221-222—*The Problem of Government.* A study of the principles and structure of American government. Emphasis upon its actual workings and upon current problems. Historical development, organization, powers, limitations, of the government, and treatment of sovereignty, citizenship and nationality, electorate, and governmental powers.

Two hours a week throughout the year. Omitted 1929-30.

Courses in Economics

Economics 221-222. Principles and problems fundamental to an understanding of our industrial, commercial and financial world.

LATIN

PROFESSOR FLORENCE M. CATE

The object of the Freshman year is to learn to read Latin with ease. After that emphasis is given to Roman literature, Philosophy, and Roman life.

For a major in Latin take courses 131-132, 231-232, and twelve hours additional.

For a minor in Latin take course 131-132 and six hours additional.

Those majoring in Latin will take one minor in English or French.

LATIN 131, 132—*Literature.* Livy's History, Books XXI and XXII, first semester. Cicero, De Senectute and De Amicitia, second semester. Prose composition and sight reading.
Three hours throughout the year.

LATIN 231, 232—*Literature.* The Odes and Epodes of Horace, first semester. Selected letters of Pliny the younger (to illustrate especially the state of Roman society at the close of the first century after Christ), second semester.
Three hours throughout the year.

LATIN 233, 234—*Roman Life and Civilization.* Lectures and assigned reading on the public and private life of the Romans. Special emphasis upon the influence of Roman civilization on modern life. This course does not count on a Major or Minor.
Three hours throughout the year.
Open to all college students.

LATIN 321, 322—*Roman History.* Suetonius' Lives of the Emperors. A detailed and intimate study of the First Century, A.D. The Histories of Tacitus. The same period of Roman History from a more critical viewpoint. Open to those who have had Latin 131-132.

LATIN 331, 332—*Silver Latin.* Selections from the Satirists, Persius, Juvenal and Petronius. *History.* The Annals of Tacitus I-VI, three hours a week. Open to those who have had Latin 131-132.

LATIN 431, 432—*Roman Literature.* A historical and critical survey of Roman literature from the third century B.C. to the fifth century A.D., given by lectures, a text-book, collateral readings in Latin and English. Some brief outline of philology will also be taken up. Three hours a week for the year. Elective for those who have had Latin 131, 132, 231, and 232.

MATHEMATICS

PROFESSOR GEORGIA HASWELL

Major, 24 hours.
Minor, 12 hours.

MATHEMATICS 130—*Solid Geometry.* A course based on a standard text. Plane Geometry prerequisite.
Three hours, one semester.

MATHEMATICS 131—*College Algebra.* This course presupposes a thorough knowledge of elementary algebra. Chief topics: Rapid review of the fundamentals of algebra, progressions, permutations and combinations, probability, complex numbers, logarithms, theory of equations, determinants. Prerequisite: One and one-half units of Algebra.
Three hours, one semester.

MATHEMATICS 132—*Plane Trigonometry.* A beginning course in trigonometry. Emphasis is placed upon trigonometric equations and transformations as well as systematic and accurate computation in the applications. A Freshman course.
Three hours, one semester.

MATHEMATICS 231-232—*Analytic Geometry.* The fundamental notions of Plane and Solid Analytic Geometry. Prerequisites: Courses 131 and 132.
Three hours throughout the year.

MATHEMATICS 331-332—*The Calculus.* Elements of calculus, including differentiation, integration, Maxima and Minima, plane curves and areas. Prerequisite: Courses 131, 132, 231, 232.
Three hours throughout the year.

MATHEMATICS 431—*History of Mathematics.* A reading course open only to those whose knowledge of the content of Mathematics is sufficient to enable them to take the course profitably.
Three hours, first semester.

MATHEMATICS 432—*Plane Surveying.* Elementary theory and practice with sufficient field work to ensure familiarity with the ordinary surveying instruments and methods. Mapping and the solution of problems such as arise in land surveying and engineering. Prerequisite: Course 132.
Three hours, second semester.

EDUCATION

PROFESSOR FREDERICK W. STEACY

A Major requires thirty hours; a Minor eighteen hours.

Candidates for the Provisional Elementary Certificate (College Grade) ought to take Education 131 and 132 and

are advised to take one course in English Composition, one in a Laboratory Science and one in History or Mathematics or a Foreign Language.

Candidates for the Standard Elementary Certificate (College Grade) ought to take Education 131, 132, 231 and 251 (or 252).

Candidates for the Provisional High School Certificate ought to take Education 133, 132, 231 and 332.

Candidates for the Standard High School Certificate ought to take Education 133, 132, 231 and 332 and are advised to take enough other courses in Education to make a Minor.

Elementary School Methods 131. This course is professional. It is designed for those only who desire to teach in elementary schools. It describes the methods of teaching elementary school subjects. Lesson plans receive much attention. Difficulties in the various subjects are examined. Prerequisite: Open to Candidates for Elementary School Certificates (College Grade). Textbook: Technique of Teaching, by S. E. Davis; Macmillan Co. Readings are assigned in various other standard textbooks.

Classroom Management 132. This course is professional. It is designed for those only who desire to teach in any Elementary or High School. It describes the approved ways of directing and controlling classes. Many topics are discussed, e.g., Attendance; Order; Discipline; Incentives; Penalties; Promotion; Time tables; Assignments; Recitations; Aims; Teacher's personality, training, growth, health, recreation. Prerequisite: Open to candidates for Public School Certificates (College Grade). Textbook: Classroom Organization and Control, by J. B. Sears; Houghton Mifflin Co.

High School Methods 133. This course is professional. It is designed for those only who desire to teach in High Schools. It describes the methods of teaching High School subjects. Lesson plans receive much attention. Difficulties in the various subjects are examined. Prerequisite: Open to candidates for High School Certificates. Textbook: Teaching of High School Subjects, by W. A. and H. H. Millis; Century Co.

General Psychology 231. This course is required for graduation. It assumes a general knowledge of the anatomy and physiology of the nervous system; therefore, only a brief review of this topic is given. Emphasis is laid upon sensation, instinct, association, imagery, attention, perception, memory, reasoning, concept, judgment, proof, emotion, will, fatigue, sleep, the self. Prereq-

uisite: Open to Sophomores who have taken Education 131 and 132 or Education 133 and 132. Open to Juniors. Textbook: Fundamentals of Psychology, by W. B. Pillsbury; Macmillan Co.

History of Education in Foreign Lands 223. This course has cultural value for all students; it has both cultural and professional value for all teachers. It deals with educational development and customs among primitive and barbarian peoples, Ancient Greeks, Ancient Romans, Early and Medieval Christians, Medieval Moslems, Modern European Nations. Prerequisite: European History from the founding of Athens to modern times. Textbook: History of Education, by E. P. Cubberley; Houghton Mifflin Co.

History of Education in the United States 224. This course has cultural value for all students; it has both cultural and professional value for all teachers. It deals with Educational development and customs in the United States from 1620 to the present time. It describes Dame Schools, Arithmetic Schools, Latin Grammar Schools, Academies, Kindergartens, Elementary Schools, High Schools, Colleges, Universities, Technical Schools, Professional Schools. Prerequisite: Education 223; United States History. Textbook: Public Education in the United States, by E. P. Cubberley; Houghton Mifflin Co.

Practice Teaching 251, 252. This course is professional. The student prepares lesson plans and teaches in the first six grades of the Barbourville Public School. Ninety periods of fifty minutes each, of actual teaching in the presence of a Critic Teacher or of the Professor of Education, are required by custom for the Standard Elementary Certificate (College Grade). Prerequisite: At least thirty-two hours, including Education 131, 132, and 231. Textbook: Various readings in the Library on methods and control.

Mental Tests and Measurements 321. This course is professional. It is designed for those only who desire to teach. It deals with standardized methods of testing pupils chiefly in Elementary School subjects, with methods of aiding pupils to improve, with some High School subjects and with some general intelligence tests, e.g., the Binet-Simon series. Many standardized tests are examined and criticized. Methods of administering and of scoring the tests are explained. Simple statistical terms and processes are made clear. Prerequisite: Education 131, 132, and 231, or Education 133, 132, and 231. Textbook: Measuring the Results of Teaching, by W. S. Monroe; Houghton Mifflin Co.

Educational Psychology 332. This course is professional. It is designed for those only who desire to teach. This course deals with the mental processes and some physical processes in learning; Variations, correlations and sex differences in human

capacities; Inheritance of mental traits; Rate and progress of learning; Transfer of training; Methods of studying; Simple methods in statistics; Principles of grading and promoting pupils; Probability and ogive curves. Prerequisite: Education 231. Textbook: Educational Psychology, by Daniel Starch; Macmillan Co.

Social Psychology 334. This course has cultural value for all students. It is designed chiefly for those who desire to deal with people in the mass, e.g., ministers, lawyers, teachers, superintendents, executive officers, foremen, contractors, politicians, statesmen, advertisers, authors, platform speakers. It deals with the mental contents and attitudes of groups of people, such as the aggregate, the assembly, the congregation, the crowd, the mob; with human nature in various aspects; with convention, custom, suggestion, fashion, morale, opinion, genius, racial peculiarities, group control. Prerequisite: Education 231. Textbook: Fundamentals of Social Psychology, by E. S. Bogardus; Century Co.

Philosophy of Education 431. This course is professional. It is designed for those only who desire to teach. It deals with the Aims of Education; Readjustment; Heredity and Education; Society and Education; Ways of learning; Reason; Formal discipline; Imitation; Play; Educational agencies. Prerequisite: Education 332. Textbook: Textbook in the Principles of Education, by E. N. Henderson; Macmillan Co.

Educational Sociology 432. This course is professional. It is designed for those only who desire to teach. It deals with the nature and the function of the school; utility as a criterion for curriculum building; vocational guidance; educational agencies; methods of finding the objectives of education; analyses of social efficiency and of cultural education. Prerequisite: Education 332. Textbook: Foundations of Educational Sociology, by C. C. Peters; Macmillan Co.

Education 433. Supervision of Instruction. This course is professional. It is designed for those who desire to become Principals of large schools or to become Superintendents. It treats of many topics, e.g., How to visit the classroom; For what to look; How to diagnose teaching; Methods of presenting various subjects; Methods of maintaining good order; Measuring the results of teaching; Some statistical methods. Textbook: The Supervision of Elementary Subjects, by William H. Burton; D. Appleton and Company.

Public School Administration 434. This course is professional. It is designed for those only who desire to become School Principals or School Superintendents. It deals with the relation of the school to the state, the county, the city or the town; The Superintendent's duties and privileges; Selection, tenure, training, supervision, pay and promotion of teachers; Courses of instruc-

tion; Tests; Health; Attendance; Libraries; Playgrounds; Records; Reports. Prerequisite: Education 332; Mathematical ability; Expertness in English Composition. Textbook: Public School Administration, by E. P. Cubberley; Houghton Mifflin Co.

PHYSICAL EDUCATION

J. R. BACON, DIRECTOR

Physical education is required of all Freshmen and Sophomores. The work in this department will consist of calisthentics, inter-mural games, football, basket ball, baseball, track, indoor baseball, volley ball, tennis, gymnastics and drill.

PHYSICAL EDUCATION 121-122—Lectures on the practical care of the body and the physiology of exercise. Active exercises in the gymnasium or on the field.
Two hours per week. One hour credit.

PHYSICAL EDUCATION 221-222—Exercises in the gymnasium or on the field throughout the year.
Two semester hours credit.

PHYSICAL EDUCATION 225—Coaching Basketball. This course offers training for students who expect later to assume the leadership of basket ball teams. Lectures and practical work.
Two hours per week. One hour credit.

PHILOSOPHY

PROFESSOR CHAS. CLARK SMITH
PROFESSOR FREDERICK W. STEACY

It is the design of these courses to connect the student with his real world. Professor Royce wisely wrote that one philosophizes when he tries to understand his world. It is the part of a philosopher to treat life seriously and to feel for the truth sympathetically. The Christian philosopher endeavors to construct a system of logical interpretation based upon the experience of the race in its endeavor to become better. The fundamentals of Christianity are kept in mind and due respect for its contribution to the uplift of the world is maintained.

Those majoring in Philosophy will take one minor in History or English.

PHILOSOPHY 231—*General Psychology.* A comparative study of two leading text-books on psychology. The work of the first half of the term is concerned largely with the physiological side of psychology, and gives special emphasis to consciousness and the nervous system. The second half is given to the study of mental activity, such as retention, disposition, habit, instinct, association, recall, cognition, perception, memory, reasoning, emotion, and will. Textbooks: Pillsbury and James.

Three hours, one semester.

PHILOSOPHY 232—*Ethics.* A critical study of the foundation of moral obligations. The course is designed to give philosophic insight and to build moral character. Moral laws are applied to practical life and correlated with Christian ethics. Comparative study of two standard texts. Lectures.

Three hours, one semester.

PHILOSOPHY 331—*Philosophy of Religion.* A course dealing with the philosophical principles underlying the study of religion. Modern religious problems demand an intelligent analysis and a proper faith must be founded on reasoned out facts. A course designed to help in solving problems in religion and moral conduct.

PHILOSOPHY 333—*Logic.* A study of the purposes, laws, and limitations of human reasoning, whether deductive or inductive. The course is made as practical as possible. Text: Creighton's Introductory Logic.

Three hours, one semester.

PHILOSOPHY 334—*Social Psychology.* A study of social instincts and their relation to organized society. Crowd psychology, the mob, fashion, excursions, behaviour under excitement, under crises both personal and national, the public press, propaganda, and some attention will be given to the psychology of religious experience.

Open to students who have had General Psychology.

Three hours, second half year.

PHILOSOPHY 335—*History of Ancient and Medieval Philosophy.* A careful survey of philosophic thought from the early Greeks to the Renaissance. The aim of this course is not so much to master the details of each philosopher as to grasp the fundamental of each school and note the effects upon succeeding philosophies and sciences. Textbook, much collateral reading, and lectures.

Open to Juniors and Seniors.

Three hours, first half year.

PHILOSOPHY 336—*History of Modern Philosophy.* Beginning with Descartes and Bacon, the development of philosophic thought and its relation to national ideals are carefully studied. This study

should throw substantial light upon the background of modern social, religious, educational, and governmental problems.
Open to Juniors and Seniors.
Three hours, second half year.

PHILOSOPHY 431-432—*Philosophic Foundations of Christian Theology.* The first part of the course makes an inquiry into the theistic conception of the world with the thought of establishing that view as a necessary postulate of reason and of human life. The second part of the course offers a philosophic study of the fact and the sense of sin, the incarnation, atonement, miracles, redemption from sin, immortality, etc. The effects of these doctrines will be traced in civilization, and modern problems will be viewed in the light of what Christianity offers as a solution.
Open to Juniors and Seniors.
Three hours throughout the year.

PHYSICS

PROFESSOR GEORGIA HASWELL

PHYSICS 141-142—*General Physics.* A non-mathematical course designed to meet the cultural needs of the average student as well as the technical requirements of the student of science. The time is devoted to mechanics, heat, electricity, magnetism, sound, and light. Lectures and recitations three hours per week, laboratory two hours per week. Four hours throughout the year. Fee three dollars each semester. No prerequisite.

CHEMISTRY

PROFESSOR ARLIE A. O'KELLY

For a major in Chemistry it will require thirty hours' work including the following courses: General Chemistry, 10 hours; Qualitative, five hours; Quantitative, five hours; Organic, six hours. At least a one-year course must be taken in each of Physics and Mathematics.

In addition to the regular laboratory fee each student is required to deposit two dollars to defray any breakage during the course. At the end of the course all unused funds will be returned to the student.

CHEMISTRY 121—*Every Day Chemistry.* With the main object being the cultural value of chemistry, this course takes up the position of America in the field of chemistry. The time is devoted to a non-technical study of a few of the most important industries by means of reading and reports by students. Lectures

and recitations two hours per week. May not be used to complete science requirement. Spring semester. Two hours. No prerequisite.

CHEMISTRY 151-152—*General Inorganic Chemistry.* A course with a two-fold object in that it shows the possibilities of chemistry in our everyday living and at the same time prepares the student for further study of the subject. The basic principles of chemistry are studied in detail. Lectures, demonstrations, and recitations three hours per week with laboratory four hours per week. Five hours throughout the year. Fee four dollars each semester. No previous chemistry required.

CHEMISTRY 211—*Inorganic Preparations.* Laboratory practice in the preparation of several of the more common compounds. Prerequisite: Chemistry 1.
One or two hours.

CHEMISTRY 231—*Qualitative Analysis.* A study of the metals by means of their ionic reactions is made in the light of the electron theory of matter. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 151-152.

CHEMISTRY 233—*Quantitative Analysis.* A course intended for pre-medical students. A study is made of the methods of volumetric analysis and fits the student to carry out accurate chemical determinations. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 251—*Qualitative Analysis.* Same as Chemistry 231 except that this course offers more work for the student who expects to major in chemistry. Lectures and recitations two hours per week, laboratory six hours per week. Five hours first semester. Fee six dollars.

CHEMISTRY 262—*Organic Chemistry.* While this course is designed for the student of medicine yet it is acceptable for the chemistry major. A thorough study is made of the elementary principles of the chemistry of carbon compounds. An effort is made to unify the material and prepare the student for the specialized work necessary in his further study. Lectures and recitations four hours per week, laboratory four hours per week. In the laboratory it is the amount of work done and not the time spent that shall determine the course. Six hours second semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 331—*Physical Chemistry.* A special course for pre-medical students. The theory and principles of chemistry are discussed in the light of the more recent views. Special attention is given to the applications to medicine. Lectures and recita-

tions three hours per week. Three hours second semester. Prerequisites: Chemistry 262, Chemistry 233, and Physics 141 and 142. Not offered 1929-30.

CHEMISTRY 333—*History of Chemistry.* A careful study of the rise of the science from the age of alchemy. The contributions of individual men are especially stressed. Prerequisite: Organic or Quantitative.

Two hours, first semester.

BIOLOGY

PROFESSOR I. B. PEAVY

Those majoring in Biology must take courses 141-142, 241, 242, and 441-442.

BIOLOGY 141-142—*General Zoology.* Types of the main groups of animals are studied with regard to structure, development, and relation to environment. Laboratory work will be on animals selected from the following list: Amoeba, peramoecium, vorticella, stentor, sponge, hydra, hydroids, planarians, thread worms, earth worms, nereis, leech, starfish, sea-urchin, snail, clam, squid, crawfish, centipede, grasshopper, beetle and frog. Lectures and collateral reading. Two two-hour laboratory periods a week.

Four hours throughout the year.

BIOLOGY 241—*General Histology.* A course in histology, including the processes of fixing, imbedding, staining, technic sectioning and mounting different kinds of tissues. This course also includes an elementary study of the various organ tissues. Elective in the College. Recitations two hours, laboratory four hours.

Prerequisite: Biology 141 and 142. Four hours first semester.

BIOLOGY 242—*Human Anatomy and Physiology.* A course which treats of the various structures and functions of the human body. Lectures and recitations, two hours a week; laboratory work, two hours a week. Prerequisite: Biology 141-142. Four hours second semester.

BIOLOGY 244—*Botany.* A study of the biology, morphology, and classification of typical plants selected from the different groups. Recitations two hours, laboratory four hours.

Four hours, one semester.

BIOLOGY 341—*Comparative Vertebrate Anatomy.* A study of selected vertebrate types from Amphioxus to the mammals. The form and development of the different systems of organs are considered in detail. This course is an excellent preparation for the work in human anatomy or for teaching. Recitations two hours, laboratory four hours.

Four hours first semester.

Biology 342—*Biology and Disease.* This course consists of recitations and lectures on the cause and means of preventing communicable diseases. It aims to give the facts which every person should know concerning tuberculosis, typhoid fever, diphtheria, yellow fever, and other diseases caused by bacteria or protozoa. Elective in the College year.

Four hours, second semester.

Biology 441-442—*Embryology.* This course includes the study of the development of the frog, chick, and a mammal from the time of fertilization of the egg until fully formed. Lectures and recitations, two hours a week, laboratory work, four hours a week.

Prerequisite: Biology 141 and 142.

Normal School

The Normal School is planned to meet the requirements of the State law as an approved Normal School whose graduates upon the completion of certain courses may be granted by the State certificates to teach, in the same manner that graduates from the State Normals receive certificates.

EQUIPMENT

The entire equipment of the College is open to use by the Normal School. This equipment includes good laboratories in Physics, Chemistry, Biology, Domestic Science and Art. Agricultural plots, the Conservatory of Music, Expression, Library, a Training School, New Gymnasium and Athletic Field.

TRAINING SCHOOL

Union College has made arrangements with the Barbourville City Schools to use the grades for a training school. Our own Academy is used as a training school for High School Certificate Courses. The College helps to select the teachers for the training school. Normal students do observation and practice teaching in the training school.

FACULTY

The Faculty is made up of trained specialists in every department, from the critic teachers in the training school to the head of the Normal School.

SCHEDULE

Since many of the Normal students come after their schools close in January the schedule for the Normal courses will be adjusted to the needs of the students. Some studies will be repeated each term if necessary. Some studies may be taken together with the regular Academy students while others will be run for Normal students only. However, a good student may finish the regular Academy course and the Elementary Normal courses in the time that the average student takes for the Academy alone.

NORMAL SCHOOL LAW

The State Department of Education is authorized to issue the following certificates to Union College students with their several requirements and privileges as set forth in the law:

I. ELEMENTARY CERTIFICATES

1. *A Provisional Elementary Certificate (of High School Grade)* valid for two years in any elementary school of the State, shall be issued by the Superintendent of Public Instruction upon certification of an Accredited Normal School showing the completion of at least eight units of standard high school work, four of which must be earned in residence in the Normal School. This certificate shall be reissued or renewed for two years upon the presentation to the Superintendent of Public Instruction evidence of the owner thereof having earned two or more additional units of credit in the Normal School, and same may be so reissued, or renewed from time to time upon presentation of evidence of having earned two or more such additional units of credit.

2. *The Provisional Elementary Certificate (of College Grade)* shall be issued on the basis of high school graduation with sixteen semester hours (one-half year) of standard college credit. It shall be issued for a term of two school years, and shall be eligible for two-year renewals, each renewal dependent upon satisfactory evidence of at least sixteen semester hours of additional standard college credit, which shall be indicated on the certificate.

3. *The Standard Elementary Certificate (of College Grade)* shall be issued on the basis of sixty-four semester hours of college credit earned in an institution of at least standard junior college rank, not less than twelve of which shall be in education subjects. It shall be issued for a term of three school years and shall be eligible for three-years renewal on presentation of satisfactory evidence of successful teaching experience; and it may be extended for life at any time on presentation of satisfactory evidence of three years of successful teaching experience. After such extension the holder may resubmit it to the director of certification for recording statements of additional college credit.

4. *A College Certificate,* valid for three years in any public school of the commonwealth, may be issued by the State Board of Education upon graduation from the Normal School. This certificate shall be reissued or renewed for life after three years of successful experience in educational work in public schools; credit for one year's graduate work may be accepted in lieu of one year of successful experience as above provided.

II. HIGH SCHOOL CERTIFICATES

1. *The Provisional High School Certificate* shall be issued on the basis of sixty-four semester hours of college credit earned in an institution of at least standard junior college rank, not less than twelve of which shall be in education subjects. It shall be issued

for a term of four school years, and shall be eligible for four-year renewals on presentation of satisfactory evidence of thirty-two semester hours of additional credit in a standard college.

2. *The Standard High School Certificate* shall be issued on the basis of graduation from a standard four-year college, including at least twelve semester hours of credit in education subjects with practice teaching, or satisfactory evidence of two years of successful high school teaching. It shall be issued for a term of four school years, and shall be eligible for four-year renewal on presentation of satisfactory evidence of successful teaching experience; and it may be extended for life on presentation of credit for twelve additional semester hours of education subjects and satisfactory evidence of three years of successful teaching experience.

3. *A Provisional or Standard High School Certificate,* valid only for teaching special subjects, will be issued where transcript of college credits submitted includes credit for at least twelve semester hours' training in preparatory for teaching in that special field.

III. SUPERINTENDENTS' CERTIFICATES

A Standard or a Provisional Certificate for administration and supervision in the public schools of the commonwealth shall be issued to any applicant who files evidence of having taught at least four years in public schools or colleges and having satisfied the requirements for the issuance of a standard or provisional certificate for high school teaching, and in addition thereto standard college credit for six semester hours in public school administration and supervision. Such certificate shall be issued for a term of four school years, shall qualify the holder for any position of public school administration and supervision in the commonwealth, and shall be eligible for renewal on basis prescribed in this act for renewal of certificates for high school teaching.

Before any of the certificates provided for in the preceding provisions of this act shall be issued the applicant therefor must meet the legal requirements in reference to age, and credentials concerning good moral character, prescribed by law for public school teachers.

Academy

DANIEL M. HUMFLEET, PRINCIPAL

PURPOSE

The Academy is designed to prepare students for colleges or technical schools; to give teachers the high school work required by the new law in Kentucky, and to broaden the education of those taking up business and home life.

SCOPE OF INSTRUCTION

Union College, in order to obtain its A rating as a Senior College, was required to discontinue its academy. During the academic year 1929-30 it will offer only courses in the fourth-year academy and at the conclusion of the year it will drop the academy entirely.

The electives make it possible for a student to choose his course in part and to prepare for a classical, scientific, professional or vocational life as he sees fit.

Our Academy is in Class A of the accredited list of secondary schools of the Association of Kentucky Colleges. This means that our graduates receive full Freshman rank, without examination, at any College belonging to this Association. Sixteen units are required for graduation.

ENTRANCE

Since only the Senior year of the Academy remains any student desiring to enter the Academy must be able to do the work offered in this year.

ADVANCED STANDING

Advanced standing will be given students presenting credits from good secondary schools and to students passing examinations on work done for which credits are not presented.

GRADUATION

An Academic Diploma will be granted students completing the Academic Course.

ACADEMY CURRICULUM

Senior

English	5	English	5
Biology	5	Biology	5
†Electives	10	Electives	10
Bible	2	Bible	2

Classes will be offered to meet the actual demand.

ENGLISH

The aim of this department is to give the student such thorough instruction in the writing of English as will make his language the instrument for the easy, idiomatic, and energetic expression of his thought; to train him, both by theory and by practice, for natural and effective public address; to acquaint him with the essential facts in the development of the English language and literature, and with the great authors who have created that literature; and, finally, to render him sensitive to the literary and æsthetic value of life. Vigorous and painstaking habits of scholarship are constantly inculcated; but the student is never allowed to forget that literature is vital—that it draws its subject-matter and its inspiration from life, and in turn transmutes the crude and imperfect forms of life into beauty and character.

English IV. Principles of argumentation and debate are studied with abundant practice. Brooks—Book II, or its equivalent, is the text. Washington's "Farewell Address" is studied, briefed, and its present day values fully discussed. The study of the technique of one-act plays, the reading of plays with classroom acting form part of this semester's work. The technique of the short story and the informal essay are studied with many examples read and discussed. Carlyle's "Essay on Burns" is thoroughly studied and discussed. One play from Shakespeare and a volume of current poetry with collateral reading, many themes, essays

†Electives may be chosen from any accredited High School subjects that are offered.

and others constitute the work of the year. Bate's "History of English Literature" accompanies the work of both semesters.

Five hours throughout the year.

MATHEMATICS

ARITHMETIC I. This course embraces a review of the more important principles of Arithmetic: Common Fractions, Decimal Fractions, Percentage, Drills, Standard Tests, outside work; measuring lumber, land, capacity of bins and cisterns, painting, paving, flooring, papering and the beginning of ratio and proportion, involution and evolution, carefully explained. A good modern text is used.

One semester, daily. One-half unit.

ARITHMETIC II—*Advanced Arithmetic.* This course is intended for teachers, and consists of a continuation of the work as outlined for the first course, but the more difficult phases of the subject will be dealt with in fuller detail. The principles of teaching and presenting the subject-matter will be one of the strong features of this course; in addition, heavy subject-matter dealing with difficult principles and knotty problems will be required. Mastering of the subject of Arithmetic is expected of those who finish this course. A modern text, supplemented by outside work and other books.

One semester, daily. One-half unit.

MATHEMATICS III (*a*)—*Geometry,* Book I. Much attention is given to the solution of problems designed to train the student in logical thinking and the methods used discourage mere memorizing of propositions. Wentworth and Smith. Fall term, daily. One-half unit.

(*b*) *Geometry,* Books III and IV. Some attention given as above to practical and independent use of principles in Geometry and the application of the same to mechanical arts and surveying. Wentworth and Smith. Second semester, daily. One-half unit.

NATURAL SCIENCE

Biology. This course consists of a course in botany, showing the relations between plants and animals. Also considers the diseases caused by bacteria and protozoa, and means of preventing communicable diseases. It aims to give facts which every person should know concerning tuberculosis, typhoid fever, cholera, diphtheria, yellow fever, and other similar diseases.

This course prepares the student for a course in College Biology, Zoology, or Gross Anatomy.

Five hours throughout the year.

HISTORY AND CIVICS

History I—*American History* (*a*). This is a course in the fact history of our country. Its purposes are to give the student a general working knowledge of American History to the formation of the Union, to give enough method of history to enable a student to do good teaching of the subject in the rural schools, or to do advanced American History in any school.
One semester, daily. One-half unit.

American History continues the work of History (*a*), but it gives more attention to the Method of Teaching History. It takes up the chain method spoken of in the State course of study and develops the idea thoroughly, by considering such leading threads of history as: Slavery, the Tariff, Westward Expansion, the Spoils System and Civil Service Reform, the Banking System and Panics, Growth and Development of Political Parties. This course attempts to create an abiding interest in the affairs of the world. Therefore special attention is given to the Monroe Doctrine and American Foreign Relations, bringing out vividly America's part in the World War, and our part in the reconstruction of the world.
One semester, daily. One-half unit.

Civics. A study of community life and problems, and the relation of the individual to the community in which he lives. Americanism, Melting Pot, rural and city life, including the immigration question and its problems carefully considered. The government of Kentucky will also be studied. A modern text with collateral reading.
One semester, daily. One-half unit.

BIBLE

A fair knowledge of the Bible is expected of every citizen of a Christian nation; but it is humiliating to see how little is known of this, the greatest of books, by the average man. A skeptical professor in one of the great American universities, after having failed to get an intelligible answer on some point of simple Biblical history indignantly remarked that any man who did not wish to be regarded as a fool should have a fair knowledge of the Bible. It is also fundamental to strong Christian character, and church schools should certainly give every student some good courses.

Bible I—*Old Testament History.* This course gives a general knowledge of the geography and history of the Hebrew people,

embracing the forms of government, the economic, social, moral and religious developments. The Bible is read for its own story together with a good text on Old Testament History. Designed for Academy students first and second years.

Two hours.

Bible II—*New Testament History.* This course deals with the early history of the Christian Church and its ideals and work as recorded in the synoptic Gospels and the Acts. A general text is used as an organizing basis. Designed for Academy students, third year.

Two hours.

Music

MISS ETHEL G. EVERSOLE
MR. CHARLES E. AHLER

This department is open to all who seek instruction in music. It aims to produce musicians and to develop an appreciation of the art. Courses will be given that will assist the student to understand the structure, history and development of music. Under the guidance of trained teachers, it offers opportunity for development in piano, voice, violin, reed and band instruments.

CREDITS

Students may receive credit toward the A.B. degree for the courses completed in the Department of Music. The maximum number of credit hours allowed is 18 semester hours. Students may receive credit for only six semester hours of practical music. This is for work done in voice, piano or violin and must be accompanied by courses in the theoretical department in order to receive credit. Credit will be given in practical work in piano only after the second year and in voice after the first year.

COURSES

PIANOFORTE

MISS EVERSOLE

GRADE I. Practical Works, simple technical studies, major scales, such studies as Berens, op. 70; Gurlitt, op. 117; selected studies, Reutling, Books I and II. Czerny studies, Book I, op. 299.

GRADE II. Scales and technical work continued, Gurlitt, op. 141. Burgmuller, op. 100; Dunernoz, op. 176; Kohler, op. 50. Czerny studies continued, op. 299. Easy sonatinas by Steibelt, Hyder, Mozart, such pieces as Jensen, op. 33; Gade, op. 36.

GRADE III. Hanon technical studies, Little Pischua technical studies, Minor scales, all forms begun, 12 easy pieces of Handel, Heller, op. 47; Bertini, op. 100. Czerny consonatinas by Clementi, Kuhlan, Beethoven. Pieces by classical composers given.

GRADE IV. Major and Minor scales with chords and arpeggios, Heller, op. 45 and 46; Berens, op. 61. Bach's short preludes and fugues, Krouse trill studies, sonatas and rondos by Dussek, Reinecke, Mozart, Haydn. Pieces by Grieg, Godard, Mendelssohn, Schumann and Schubert.

GRADE V. Technical studies continued. Bach's two-part Inventions, Steitelt studies. Octave studies, op. 281, Lorr, Berens, Books III and IV, Beethoven's earlier sonatas, Mendelssohn's Song Without Words, Chamineade, Grieg, Schubert, Schumann.

GRADE VI. Advanced technique, Bach's Suites, Bach's three-part Inventions, Crame's 50 Etudes, Kullaks octave studies, Jensen Etudes, Schubert Impromptus, Sonatas, Compositions by Chopin, Liszt, Rubinstein and modern composers.

GRADE VII. Scales and arpeggios all forms, with increasing speed. Bach's English and French Suites continued. The well-tempered clavichord of Bach. Gradus and Parnassus by Clementi, Moscheles studies, Concertos by Mozart, Mendelssohn, Chopin, Schumann. Compositions by modern composers.

Much time the last two years of course is spent in preparation of a recital program to be given in public, also practical work in instruction for those who intend to become music teachers.

VOICE

MISS EVERSOLE

The opportunity for voice culture should not be limited to the chosen few who are endowed with a voice. Deep breathing, which is an important part in voice culture, develops the lungs, corrects a bad carriage and makes a healthy body. A course in this department will be most beneficial whether or not one expects to make singing a profession.

BRIEF OUTLINE FOR VOICE

GRADE I. Breathing exercises, tone placing, study of vocal organs, simple vocalises by Root, Behinke and Pearce, simple songs and ballads.

GRADE II. Breath control and tone production continued, Concone, op. 9 and 12. Vaccai Italian school of singing, art of vocal Morza, the easy songs of Brohms, Schubert, Schumann, Mendelssohn and American compositions.

GRADE III. Vocalises embracing embellishments, trills, and scale passages, for flexibility. Master pieces of Voc-Mox S. Picher, Book I. Famous songs prepared by Krehbiel. Early arias begun in Italian, also simple songs in French and German.

GRADE IV. Studies in Brovura and scale passages continued, Marzo, Book II. Lamperti, Listgers (operatic vocalises) Mox Spicker, Book II. Selection from Oratorios and Operas, American songs, also Italian, German and French Diction.

VIOLIN

MR. AHLER

Violin classes will be given special attention. Work can be secured from the elementary courses that begin with a careful study of position and bowing through the advanced courses.

REED AND BAND INSTRUMENTS

Instruction may be obtained in all band instruments. Courses will be given beginners who have not had previous experience in the rudiments of music or technique of the instrument selected. Advanced work in any of these instruments will be given.

PUBLIC SCHOOL MUSIC

A course in methods of teaching public school music for prospective grade teachers; sight reading; song interpretation; elementary methods, etc. Throughout the year. Two hours.

THEORETICAL

THEORY I. Terminology, Harmony, and Ear Training. This course includes the study of the terms used in music, the keys, scales, signatures, formation of triads, and part writing in major and minor scales. Ear training will be an important part of each lesson. At least one year of piano as a prerequisite. Two hours throughout the year.

THEORY II. Harmony, Ear Training and Key Board. This course continues the work begun in Theory I with the addition of original part writing and harmonizing at the key board. Two hours throughout the year.

HISTORY OF MUSIC

The story of musical history from origin to modern times; music of the primitive and alien nations; music and musical instruments of the Bible; great movements in musical history, etc.; development of church music, the opera and oratoria; lives of great composers; modern masters; new tendencies. Two hours throughout the year.

MUSICAL ORGANIZATIONS

The College undertakes to maintain various musical organizations that will give practical opportunities for the students in the music department. Glee clubs and choruses are organized and have weekly rehearsals. The College desires to have an orchestra and urges all prospective students who play instruments to bring their instruments with them.

Register of Students

DEGREES CONFERRED MAY 30, 1928

Seniors Taking A.B. Degrees

Name	*City and County*
Bargo, Sallie	Barbourville, Knox
Bledsoe, Baxter	Manchester, Clay
Brown, Robert Lee	Corbin, Whitley
Cobb, Emerson	Slaughters, Webster
DeMarcus, Gladys	Middlesboro, Bell
Gay, Joe	Oneida, Clay
Faulkner, Stanley	Barbourville, Knox
Hall, J. C.	Ashland, Boyd
May, Helen	Barbourville, Knox
Miracle, Ed	Barbourville, Knox
Nesbitt, William	Edneyville, North Carolina
Roberts, Laura	Barbourville, Knox
Ward, Corinne	Hartford, Ohio
Warren, Eula Mae	Barbourville, Knox
Warren, Sudie	Barbourville, Knox
Williams, Lucretia	Ewing, Fleming
Winters, Bennie	Hardinsburg, Breckenridge

SENIORS

	County
Aguilera, Bernice	Knox
Chandler, Elizabeth	Bell
Cheap, Edith	Knox
Dye, Mable	Mason
Engle, Daisy	Laurel
Hubbard, Roy	Knox
Jackson, Marie	Knox
Layman, M. B.	Tennessee
Morgan, Kelly	Clay
Miracle, Ethel	Knox
Marcum, William	Laurel
Payne, Ethel	Harlan
Putnam, Fred	Pennsylvania
Robinson, Elmer	Whitley
Parker, Ruth	Knox
Robinson, Frances	Knox
Rader, Ruth	Knox
Smith, Tip	Clay
Wagers, Floyd	Clay

JUNIORS

Name	*County*
Bargo, Chester	Knox
Bain, Ruby	Knox
Catron, Thomas	Knox
Howard, H. A.	Knox
Helton, Robert	Bell
Knuckles, James	Bell
Messer, James	Knox
McClure, Irene	Knox
Poe, Ted	Nicholas
Parker, Katherine	Knox
Rigsby, Fred	Boyd
Roberts, Sophie	Lawrence
Roberts, W. C.	Tennessee
Smith, Garrard	Clay
Surgener, Prince	Knox
Spurlock, Estill	Clay
Tye, Roberta	Knox
Terrell, Claude	Whitley
Wilder, Edna	Laurel
Walker, Lelia	Whitley

SOPHOMORES

Aguilera, Harry	Knox
Amis, Nora Lee	Knox
Baker, Clara	Knox
Broughton, P. M.	Knox
Baker, Taylor	Clay
Baker, George	Knox
Barker, Robert	Harlan
Blair, Lyda	Knox
Chatfield, Gwendolyn	Whitley
Chestnut, Aubrey	Knox
Corum, Ethel	Knox
Craft, Gilbert	Clay
Catron, Lois	Knox
Davis, Charlie	Knox
Davis, Ester	Knox
DeMarcus, Claudia	Bell
Fish, Jessie	Pulaski
Fryman, Flossie	Lawrence
Franklin, Ralston	Knox
Fawbush, Mattie	Harlan
Gay, Mary Lee	Clay
Garland, Charles	Knox
Hembree, Sillous	Knox

Name	*County*
Hopper, Harry	Knox
Howes, John	Greenup
Jarvis, Andrew	Harlan
Knuckles, W. L.	Bell
Knuckles, William	Bell
Leinart, Rosa	Tennessee
Lawson, Henry	Bell
Lawson, Ray	Virginia
Lewis, McCoy	Clay
Marsee, Kenneth	Knox
Marsee, Lelia	Knox
Mills, Ed	Clay
Mason, Robert	Bell
Muncy, Blanche	Robertson
Main, Lucille	Knox
Mayhew, William	Knox
Maloney, William T.	Delaware
Main, Ruth	Knox
Moore, Harold	Whitley
Parker, Martha	Knox
Pearl, Helen	Bell
Patrick, Luther	Estill
Reitz, Martha	Knox
Ramsey, Ora	Knox
Rader, Mildred	Knox
Roark, Myrtle	Knox
Sharp, Frank	Clay
Stark, Alva	Harlan
Slusher, William	Bell
Surgener, Zorah	Knox
Shelton, Nannie	Whitley
Terrell, Viola	Whitley
Terrell, Ida	Whitley
Webb, Ezra	Clay
Walker, Martha	Knox
York, A. H.	Knox
Woolum, Inez	Knox
Whitis, Alonzo	Clay
Webb, Pearl	Whitley
Wagers, W. O.	Clay
White, Nevil	Kenton
Wells, Lettie	Boyd

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FRESHMEN

Asher, Mossie	Bell
Ashley, Velmer	Casey
Barker, Ruth	Harlan

Name	*County*
Baker, Cecil	Harlan
Ball, Haskell	Lawrence
Buchanan, L. W.	Knox
Bailey, Rufus	Harlan
Burkhart, John	Harlan
Bargo, Zelia	Knox
Bliss, Effie	Knox
Blackburn, Elizabeth	Knox
Baxter, Christine	Lincoln
Cobb, Daniel	Knox
Chandler, Hazel	Knox
Catron, Fred	Knox
Clark, Buford	Knox
Campbell, Eula	Knox
Dean, Violet	Owsley
Dotson, Joseph	Virginia
Evans, Florence	Knox
Evans, Nell	Knox
Early, Sam	Knox
Elkins, Joseph	Estill
Dishman, Ben	Knox
Edwards, Grace	Knox
Faulkner, Catherine	Knox
Fortney, Carrie	Knox
Faulkner, Rookh	Knox
Hoskins, Adie	Clay
Hatton, Julia	Clay
Howes, Eugene	Knox
Howard, Z. R.	Whitley
Howard, Julia	Bell
Howard, Gertrude	Kansas
Kilburn, J. B.	Virginia
Ketcham, Angie	Knox
Humfleet, Vera	Knox
Hammons, Earl	Bell
Howard, Nola	Bell
Hornsby, Rolly	Clay
Hammonds, Jeff	Knox
Howard, George	Kansas
Ingram, Willa	Bell
Johnson, Bessie	Bell
Landreth, Millie	Garrard
Lawson, Ruth	Knox
Morehead, Marvin	Knox
Marshall, Vola	Bell
Mayhew, Mae	Knox
Mays, Cecil	Knox

Name	*County*
Massey, Ruby	Mason
McDonald, Roberta	Bell
Moore, Ollie	Knox
Patrick, Buck	Magoffin
Pennington, Lester	Illinois
Parsons, Curtis	Harlan
Pendleton, Jane	Knox
Reid, Madison	Clay
Reid, Joyce	Knox
Robinson, Donna	Knox
Roberts, Eunice	Clay
Swafford, Opha	Clay
Sharp, Audrey	Clay
Todd, Anna	Knox
Tribell, Maurice	Bell
Thomas, Juanita	Knox
Taylor, Harry	Whitley
Turner, Clifford	Bell
Valentine, Shellie	Knox
Vincent, Maurice	Knox
Wilson, Evelyn	Knox
Wilson, Howard	Knox
Warren, Yerkes	Knox
Williams, Clyde	Knox
Williams, Stella	Knox
Whitis, Robert	Clay
Wagers, Myrtle	Clay

SPECIAL

Blair, James	Knox
Dyer, Irene	Knox
Howard, Boyd	Bell
Shifley, Mrs. E. M.	Knox

ACADEMY

Amis, Nora Lee	Knox
Ashley, Stella	Casey
Abner, McKinley	Knox
Bays, Elsie	Knox
Bays, Amy	Knox
Baster, Willena	Lincoln
Britton, Glades	Knox
Buchanan, Marie	Knox
Baker, J. E.	Knox
Chamberlin, Don	New York
Carnes, Alice	Knox

Name	*County*
Edwards, Jessie	Estill
Edwards, Edna	Estill
Elliot, Herman	Knox
Fuson, Evelyn	Bell
Fuson, Cora	Bell
Green, Clarence	Bell
Garland, Rose	Knox
Green, W. A.	Bell
Hembree, A. B.	Knox
Hubbard, W. P.	Knox
Harris, Evelyn	Knox
Hopper, Mary	Knox
Hopper, Maude	Knox
Hinkle, Arthur	Knox
Jones, Newton	Knox
Johnson, Hazel	Bell
Latham, John	Jefferson
Lock, Gertude	Bell
Mealer, Loretta	Knox
Miller, Effie	Bell
Miller, Nina	Bell
Miller, Louella	Knox
Muncy, Mary Mae	Clay
Mason, Nelson	Bell
Mason, Sarah	Bell
Mays, Everett	Knox
Mays, Reavus	Knox
Nelson, Jeanna	Jessamine
Owens, Raymond	Knox
Pope, Harve	Knox
Patterson, Axie	Knox
Payne, Cleadith	Knox
Parker, Delbert	Knox
Rose, Mitchell	Knox
Renfro, Mary	Knox
Rose, Clara	Knox
Sowders, Mary	Knox
Smith, Borden	Knox
Smith, Maude	Knox
Smith, Henrietta	Harlan
Stanberry, Lena	Laurel
Surgener, Earl	Harlan
Spurlock, Ellen	Knox
Southard, Elizabeth	Bell
Thompson, J. T.	Bell
Taylor, Lillie Mae	Bell
Valentine, Virginia	Knox

Name	*County*
Williamson, Axie	Knox
Williamson, George	Knox
Williamson, Kenneth	North Carolina
Wilson, Lenora	Knox

EXTENSION

Anders, Eunice	Whitley
Adams, Bertha	Whitley
Bailey, Della	Bell
Bullock, Hazel	Whitley
Begley, Lena	Laurel
Brown, Ruth	Whitley
Burnett, R. E.	Whitley
Baker, Hazel	Laurel
Baker, J. R.	Laurel
Bryant, Mabel	Laurel
Cole, Margaret	Whitley
Chestnut, Walter	Laurel
Chestnut, Mrs. Walter	Laurel
Chatfield, Gwendolyn	Whitley
Creekmore, Monica	Whitley
Craft, F. H.	Laurel
Christie, Mrs. H. C.	Rockcastle
Dees, Beatrice	Laurel
Dunn, Agnes	Whitley
Dillion, John	Laurel
Edwards, Mrs. B. J.	Laurel
Estes, Tradathan	Laurel
Elam, Pearl Mae	Madison
Greene, Mollye	Bell
Harkleroad, Lela	Laurel
Hammack, L. B.	Laurel
Jones, Bertha W.	Whitley
Johnson, Grace W.	Bell
Jones, Mary Eva	Whitley
Johnson, Maude	Whitley
Johnson, Hazel S.	Laurel
Jones, Bertie McCowan	Laurel
Jackson, Marie	Knox
Landrum, Frances	Laurel
Layman, M. B.	Tennessee
Morgan, T. G.	Whitley
Miller, Roscoe	Whitley
Marcum, Wm.	Laurel
Marcum, Etta	Laurel
Morgan, Elsie F.	Laurel

Name	*County*
Mills, Mrs. S. A.	Bell
Mills, S. A.	Bell
McNeil, John	Bell
Poynter, Mrs. Wilma	Laurel
Pigg, Louise	Laurel
Rice, Jessie	Bell
Reams, John B.	Laurel
Roark, Myrtle	Whitley
Smith, Anna Mae	Bell
Taylor, Amy	Laurel
Thomas, Dora	Laurel
Terrell, Amanda	Whitley
Underwood, Florence	McLean
Woolum, Orpha Nell	Bell
Young, Pearl E.	Laurel

SUMMER SESSION, 1928

COLLEGE

Amis, Nora Lee	Knox
Amis, Otis	Knox
Asher, Fannie	Bell
Albright, J. B.	Rockcastle
Bain, Ruby	Knox
Burroughs, Mildred	Boyd
Brown, R. L.	Whitley
Baker, George	Knox
Bargo, Chester	Knox
Bargo, Sallie	Knox
Cobb, Daniel	Knox
Catron, Thomas	Knox
Congleton, Ruth	Knox
Catron, Edna	Knox
Catron, Effie	Knox
Catron, Lois	Knox
Cheap, Edith	Lawrence
Chestnut, Walter	Whitley
Clay, Agnes	Harlan
Corum, Ethel	Knox
Cox, Howard	Knox
Cox, Maude	Knox
Davis, Beulah	Missouri
Davis, J. C.	Knox
DeMarcus, Claudia	Bell
DeMarcus, Gladys	Bell
Dishman, Catherine	Knox

Name	*County*
Evans, Florence	Knox
Faulkner, Mary	Knox
Frederick, Jamima	Knox
Garland, Beckham	Knox
Garland, Charles	Knox
Gay, Joe	Clay
Gilliam, Ada	Whitley
Girdner, Bessie	Knox
Goodman, Roy	Knox
Greene, Mollye	Bell
Griswold, Nathaniel	Greenup
Howard, Julia	Bell
Hammons, Jeff	Knox
Hampton, Justice	Knox
Helton, Robert	Bell
Helton, Weart	Knox
Helton, Vina	Knox
Hensley, Mary Edna	Clay
Hensley, Carlo	Clay
Hensley, Roy	Clay
Howard, Etta	Bell
Howard, H. A.	Knox
Hubbard, Roy	Knox
Jackson, Marie	Knox
Jarvis, George	Knox
Jarvis, Myrtle	Knox
Johnson, Bessie	Bell
Johnson, Grace	Bell
Knuckles, J. T.	Bell
Knuckles, Louanna	Bell
Knuckles, William	Bell
Knuckles, W. L.	Bell
Lawson, Henry	Bell
Lundy, W. R.	Knox
Lay, Jesse	Knox
Layman, M. B.	Tennessee
Lewallen, Caleb	Knox
Lewallen, Norma	Knox
Martin, William	Knox
Mayo, Mary	Knox
Mays, Jesse	Knox
Mays, J. R.	Knox
Miracle, Ethel	Knox
Messer, Lula	Bell
Miller, Flonnie	Pulaski
Mitchell, Amanda	Knox

Name	*County*
Miller, Roscoe	Whitley
McWilliams, Rufus	Knox
McDonald, Roberta	Bell
McNeil, John	Bell
McDonald, Elbert	Bell
Nesbitt, William	North Carolina
Oaks, Fontella	Bell
Parsons, Curtis	Harlan
Parker, Ruth	Knox
Payne, Clarence	Knox
Payne, Ethel	Harlan
Powell, Mint	Knox
Ramsey, Ora	Knox
Roberts, Sophie	Lawrence
Rader, Mildred	Knox
Reitz, Martha	Knox
Robinson, Frances	Knox
Rigsby, Fred	Boyd
Rigsby, Hundley	Rockcastle
Robbins, DeAlva	Rockcastle
Sewell, Cledith	Bell
Smith, L. W.	Clay
Stewart, Nancye	Bell
Stewart, Ollie	Bell
Stewart, Rosa Lee	Bell
Terrell, Lucy	Whitley
Tye, Roberta	Knox
Tucker, Eula	Florida
Terrell, Viola	Whitley
Vicars, Eula	Bell
Valentine, L. T.	Knox
Walker, Martha	Knox
Wilson, Gertrude	Knox
Wagers, Millard	Clay
Walker, Lois	Knox
West, Georgia	Knox
Williams, John Fred	Johnson
Williams, Sankey	Johnson
Wilson, Edgar	Knox
Walker, Julia	Knox
Woolum, Inez	Knox

ACADEMY

Alford, Albert	Knox
Buchanan, George	Knox
Brown, Ruth	Whitley

Name	*County*
Brown, Chas.	Clay
Brackett, Nora	Knox
Buchanan, Marie	Knox
Congleton, Clinton	Knox
Creasey, Mae	Knox
Corey, Sallie	Knox
Chappelle, Myrtle	Bell
Cox, Cephus	Knox
Davis, Pearl	Knox
Fuson, Evelyn	Bell
Fuson, Cora	Bell
Britton, Glades	Knox
Ferguson, Florence	Knox
Ferguson, Margaret	Knox
Foley, Dorothy	Knox
Ford, Blain	Knox
Goodman, Zelma	Knox
Garland, Rose	Knox
Hopper, Mary	Knox
Hopper, Maude	Knox
Hammons, Cleo	Knox
Harris, Evelyn	Knox
Jackson, Blanche	Knox
Jones, Thelma	Knox
Ingram, Maude	Bell
Ingram, Willa	Bell
King, Marola	Knox
Knuckles, Cleo	Bell
Louvins, Helena	Whitley
Lundy, Walter	Knox
Lewis, Hazel	Knox
Latham, John	Jefferson
Leinville, Mattie	Knox
Loftis, Eva	Knox
Howard, Durham	Bell
Howard, Nola	Bell
Miller, Irene	Knox
Mays, Reavus	Knox
Martin, Axie	Knox
Murphy, Murell	Knox
Mays, Everett	Knox
Mealer, June	Knox
Mealer, Loretta	Knox
Mills, Maude	Knox
Miller, Effie	Knox
Myers, Lucy	Knox
McGurie, Frances	Knox

Name	*County*
McNeil, Cecil	Knox
Nelson, Jeanna	Jessamine
Owens, Raymond	Knox
Payne, Sadie	Harlan
Payne, Cledith	Bell
Reynolds, James	Knox
Roberts, Lena	Virginia
Rose, Clara	Knox
Ridner, Charles	Knox
Smith, Naomi	Knox
Sprowle, Evelyn	Knox
Sears, Velma	Knox
Sowders, Bessie	Knox
Sowders, Mary	Knox
Spurlock, Ellen	Knox
Taylor, Clyde	Bell
Taylor, Lillie Mae	Bell
Thompson, J. T.	Bell
Todd, Anna	Knox
Thomas, Ruby	Knox
Tuggle, Margaret	Knox
Wilson, Lenora	Knox
West, Myrtle	Knox
Williamson, George	Knox
Wilde, Hazel	Knox
Wells, Martha	Knox
Williams, Stella	Knox
Warfield, Ruby	Knox

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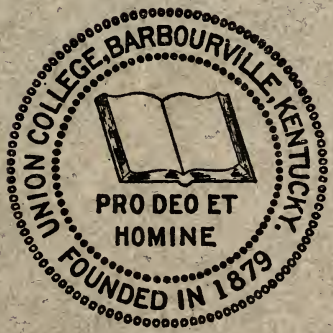
BULLETIN

OF

Union College

1930-31

Catalogue Number



Barbourville, Kentucky.

THE GYMNASIUM

Bulletin of Union College

CATALOGUE FOR THE YEAR 1929-30

WITH

ANNOUNCEMENTS FOR THE FIFTY-SECOND YEAR, 1930-31

Member of Kentucky Association of Colleges and Universities

Recognized as a Standard A Grade College by the University of Kentucky and the State Department of Education

Entered as second class matter May 4, 1922, at the post office at Barbourville, Kentucky, under the Act of August 24, 1912.
Volume IX, No. 1.

CALENDAR

1930

SEPTEMBER

S	M	T	W	T	F	S
—	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	—	—	—	—
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OCTOBER

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26	27	28	29	30	31	—

NOVEMBER

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23	24	25	26	27	28	29
30	—	—	—	—	—	—

DECEMBER

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21	22	23	24	25	26	27
28	29	30	31	—	—	—
—	—	—	—	—	—	—

1931

JANUARY

S	M	T	W	T	F	S
—	—	—	—	1	2	3
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
—	—	—	—	—	—	—

FEBRUARY

S	M	T	W	T	F	S
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22	23	24	25	26	27	28
—	—	—	—	—	—	—

MARCH

S	M	T	W	T	F	S
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29	30	31	—	—	—	—
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APRIL

S	M	T	W	T	F	S
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	—	—
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MAY

S	M	T	W	T	F	S
—	—	—	—	—	1	2
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	—	—	—	—	—	—

JUNE

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	—	—	—	—

JULY

S	M	T	W	T	F	S
—	—	—	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	—
—	—	—	—	—	—	—

AUGUST

S	M	T	W	T	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	—	—	—	—	—

CALENDAR OF THE COLLEGE YEAR

SUMMER SESSION

1930

JUNE 2, MONDAY—*First Summer Session begins.*
JULY 5, SATURDAY—*Summer Session ends.*
JULY 7, MONDAY—*Second Summer Session begins.*
AUGUST 9, SATURDAY—*Second Summer Session ends.*

FIRST SEMESTER

SEPTEMBER 15, MONDAY—*Registration.*
SEPTEMBER 16, TUESDAY—*Class work begins.*
NOVEMBER 27, THURSDAY—*Thanksgiving Day.*
DECEMBER 19, FRIDAY, 3:40 P.M.—*Christmas Holidays begin.*
DECEMBER 30, TUESDAY—*Class work resumed.*

1931

JANUARY 21-JANUARY 23—*Semester examinations.*
JANUARY 23, SATURDAY—*First semester closes.*

SECOND SEMESTER

JANUARY 26, TUESDAY—*Second semester begins.*
APRIL 3, FRIDAY, 3:40 P.M.—*Easter holidays begin.*
APRIL 7, TUESDAY—*Class work resumed.*
MAY 24-26—*Commencement exercises.*
MAY 24—*Baccalaureate Sunday.*
MAY 26—*Commencement exercises.*

SUMMER SESSION

JUNE 1, MONDAY—*Summer Session begins.*

BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

Bishop H. Lester Smith.....Chattanooga, Tenn.
President John Owen Gross.....Barbourville, Ky.

Class No. 1—Term Expires in 1930

Rev. E. R. Overley .....Ashland, Ky.
Harry E. Bullock .....Lexington, Ky.
C. B. Nordeman, *President*.....Louisville, Ky.

Class No. 2—Term Expires in 1931

Rev. W. W. Shepherd.....Louisa, Ky.
Hon. Alvis S. Bennett.....Hartford, Ky.
*Jakie Howard .....Pineville, Ky.

Class No. 3—Term Expires in 1932

Rev. C. E. Vogel.....Barbourville, Ky.
A. S. Morgan.....Russell, Ky.
Rev. John W. Potter.....Oskaloosa, Iowa

Class No. 4—Term Expires in 1933

Rev. John Lowe Fort.....Louisville, Ky.
Hon. James D. Black.....Barbourville, Ky.
*Henry Payne .....London, Ky.

Class No. 5—Term Expires in 1934

Rev. J. R. Wood.....Maysville, Ky.
A. M. Decker.....Barbourville, Ky.

Class No. 6—Term Expires in 1935

Rev. E. P. Hall Vice-President.....Ashland, Ky.
A. B. Cornett .....Harlan, Ky.
Rev. John L. Tilton.....Louisville, Ky.

*Alumni Representatives.

COMMITTEES

ENDOWMENT COMMITTEE

Harry E. Bullock
James D. Black
Alvis S. Bennett
E. P. Hall

EXECUTIVE COMMITTEE

President John Owen Gross
A. M. Decker
James D. Black
Jakie Howard
C. E. Vogel

DEVELOPMENT COMMITTEE

Bishop H. Lester Smith
C. B. Nordeman
President John Owen Gross
John W. Potter
Harry E. Bullock

BUILDINGS AND GROUNDS

A. M. Decker
James D. Black
C. E. Vogel
A. B. Cornett
Henry E. Payne

EDUCATION COMMITTEE

Bishop H. Lester Smith
John Lowe Fort
Jakie Howard
J. Ralph Wood
Henry E. Payne

FINANCE COMMITTEE

Alvis A. Bennett
John Lowe Fort
President John Owen Gross
C. B. Nordeman
E. R. Overley
W. W. Shepherd
A. S. Morgan
John L. Tilton

ADMINISTRATIVE OFFICERS

John Owen Gross
President

Maurice F. Seay
Dean of the College and Registrar

Miss Claribel R. Eaton
Dean of Women

Miss Abigail E. Weeks
Librarian

J. Richard Bacon
Director of Athletics

James F. Blair
Treasurer and Business Manager

Miss Christine M. Dux
Secretary to the President

Nevil White
Clerk in the Dean's Office

FACULTY

JOHN OWEN GROSS, A.B., S.T.B., D.D.

PRESIDENT

Acting Professor of Bible and Moral Philosophy

A.B., Asbury College, 1918; S.T.B., Boston Universiay, 1921; graduate student, University of Cincinnati, 1929; graduate student University of Kentucky, summer 1929; D.D., Asbury College, 1930; President of Union College, 1929, and acting Francis Landrum Memorial Professor of Ethics and Moral Conduct, 1930.

MAURICE F. SEAY, A.B., A.M.

Dean of the College; Professor of Education and Head of the Department of Education

A.B., Transylvania College, 1924; A.M., Transylvania College, 1926; graduate student University of Kentucky, 1928-1929; graduate student, University of Chicago, 1929-1930; Dean and Professor of Education, Union College, 1930.

ABIGAIL E. WEEKS, A.B., A.M.

Professor of English Literature and Head of the Department of English

Graduate of State Normal School, Mansfield, Pa.; A.B., Dickinson College, 1905; A.M., 1907; special work in English at Chautauqua, New York; A.M., Columbia University, 1920; taught several years in graded and high school; head of the Department of English in Union College, 1905-1907, 1910-1915; after two years' absence recalled to the head of the English Department, 1917-

I. B. PEAVY, B.E., M.E., M.Pd., M.S.

Professor of Biology and Head of the Department of Natural Science

B.E., M.E., and M.Pd., Edinboro State Normal School; M.S., Taylor University; B.E., 1891; M.E., 1893; M.Pd., 1903; M.S., 1908; graduate work, summer school, 1927; five years principal high school; 15 years teacher of science and methods and assistant principal in Edinboro State Normal School at Edinboro, Pa.; nine years teacher of science and educational subjects, and for seven years principal of the Academy at Taylor University; Union College, 1920-

ARTHUR M. HYDE, A.M., Ph.D.

Professor of History and Head of the Department of History

A.M., Yale University; Ph.D., University of Illinois, 1927; Professor of History, Washburn College and Whitworth College; Professor of History, Union College, 1927-

WAYNE T. GRAY, A.B., A.M.

Professor of Economics and Sociology and Head of Department of Economics and Sociology

B.S., University of Nebraska, 1922; University of Nebraska, summer session, 1925; Northwestern University, summer session, 1927; M.A., University of Wisconsin, 1928; graduate school, University of Wisconsin, 1928-30; Professor of Economics and Sociology, Union College, 1930.

NANCY MYERS, A.B., A.M.

Diplôme de professeur de français

Professor of French and Head of Department of Foreign Languages

B.A., Berea College; State Certificate, Eastern Kentucky State Teachers College; M.A., Columbia University, 1923; University of Besançon, France, summer term, 1921; Sorbonne, summer 1926; University of Poulouse, one year 1925-26, Diplôme de professeur de français. Head of French Department, Blue Mountain College, Eastern Kentucky State Teachers College and St. Mary's College. Union College, 1930.

EARL F. OGG, A.B., A.M.

Head of the Department of Physical Science and Professor of Chemistry

A.B., Carrollton College, 1923; A.M., University of Wisconsin, 1927; Graduate Student University of Minnesota, 1927-1930.

J. R. BACON, A.B.

Professor of Physical Education and Head of the Department of Physical Education

A.B., Kentucky Wesleyan College, 1926; graduate student, Notre Dame University, summer 1927; University of Wisconsin, summer 1928; University of Iowa, summer 1929; Professor of Physical Education, Union College, 1929.

GEORGIA M. HASWELL, A.B.

Instructor in Mathematics

A.B., Ohio Wesleyan, 1926; graduate student Ohio State University, 1929-1930; Instructor in Mathematics, Union College, 1930.

ETHEL G. EVERSOLE, B.S.M.

Piano and Voice

Oberlin Conservatory of Music, B.S.M., 1929; teacher Piano and Voice, Union College, 1929.

CLARIBEL R. EATON, A.B.

Dean of Women, Instructor in English

A.B., 1929, American University; graduate student, George Washington University, 1929-30; summer session, 1930; Dean of Women and Instructor in English, Union College, 1930

CHARLES E. AHLER

Violin, Reed and Wind Instruments

A student under some of the outstanding teachers of violin and orchestra instruments. Taught in Union College two years. Has since had charge of the orchestra and band in three of the leading military academies in this country. He returned to Union College 1928-

UNION COLLEGE

LOCATION

UNION COLLEGE is located in Barbourville, the county seat of Knox County, Kentucky, with a population of approximately 2,500. It is beautifully located at the confluence of Richland Creek and the historic Cumberland River and is surrounded by some of the low hills of the Cumberland range. It has natural gas, water works, electric lights, and paved streets. The moral tone is high and its citizens are made up largely of refined and law-abiding families—most of them being members of the four churches—Methodist, Baptist, Christian, Presbyterian.

Barbourville is the oldest town in southeastern Kentucky and has always been near the main highways of travel. The old "Warrior's Trail," the principal Indian route before the coming of the white man, is near Barbourville. The first white man to enter Kentucky, with the view of opening it for settlement, Dr. Thomas Walker, visited the site of the town in 1750 and near by erected the first house in the state. The Wilderness Road, laid off by Daniel Boone, and for many years the main artery of travel for the pioneers, crossed the state just east of Barbourville. Now the United States Highway No. 25, the best and shortest route from the north to the south, passes through Barbourville. Buses that make connections with points north and south pass through the town hourly. The Louisville & Nashville Railroad also affords excellent train service.

HISTORY OF UNION COLLEGE

Union College was started in a modest way in 1879 by a group of progressive citizens of Barbourville. They formed a stock company and by donation secured a beautiful location. In 1880 the first building was for-

mally opened on the site of the present Administration Building. Mr. A. H. Harriet, who was instrumental in the organization of the school, was its first principal. The local group soon discovered the debt for the building and improvement to be their embarrassment and in 1886 it was ordered sold by the court. The Rev. Daniel Stevenson, the president of Augusta Collegiate Institute at Augusta, Kentucky, was then looking for a new location. He became interested and in 1886 purchased the property for the Board of Education, Kentucky Conference, Methodist Episcopal Church. He became the first president under the new management and during his term was instrumental in enlisting the friendship of Mrs. Fanny Speed, who later left the College a legacy that guaranteed its permanence.

Dr. Stevenson ranks as one of Kentucky's foremost educators. He was graduated from Transylvania when Dr. Henry Bascom was its president. As a member in the Kentucky Conference, Methodist Episcopal Church, South, he was one of the leaders that helped in founding Kentucky Wesleyan College. In 1863 he was elected the first full-time superintendent of public instruction in Kentucky and was a great power in popularizing public education in the state. He brought to the presidency of Union this mature experience and placed its objectives in clear view.

Upon the death of President Stevenson, the Reverend James P. Faulkner, a member of the first graduating class of Union College, was elected to succeed him. During the administration of President Faulkner, the Board of Education came into possession of the bequest by Mrs Fanny Speed, and from that time the expansion of the school became marked. During this administration there were planned and the work begun on Fanny Speed Hall, and the Central Power and Heating Plant. They were not available for use, however, until the beginning of the next administration, that of Reverend James W. Easley, B.D., A.M., whose term of office began in 1905. The coming

of the elective system and the broadening of the curriculum seemed like an impossible task to those in charge of the college, so the college department was gradually dropped and for several years Union was an academy and a graded school. During the summer of 1906, the Administration Building was struck by lightning and burned to the ground. One year later it was replaced by a more commodious building and Stevenson Hall was also erected.

Upon the resignation of President Easley in 1910, Judge James D. Black, LL.D., of Barbourville, later Governor of Kentucky, became the fourth president of Union College. Under his management the material as well as the less tangible interests of the school progressed with rapid strides. The two years of President Black's connection with the school will be remembered as years of solid growth.

For the next three years the school was under the leadership of President Percy L. Ports, for several years Professor of Natural Science in Union College, followed by the Rev. E. R. Overley, president, who was assisted by B. C. Lewis as vice-president and business manager. These were years in which a change was taking place with regard to the scope and nature of the work that Union College should do in the future.

In 1915 the Board of Education of our Church, through its corresponding secretary, Dr. Thomas Nicholson, now Bishop of the Detroit area, became deeply interested in Union College and assisted the Conference Board of Education in planning for its future. About the same time, the Conference Board elected Professor Ezra T. Franklin president, who, working in close co-operation with the General Board of the church soon formulated a far-reaching, practical program that made the progress of Union College rapid. In 1919 the new Memorial Gymnasium was completed and, in 1925, a new home for the president. An endowment and financial campaign

helped to provide these improvements and materially aided in increasing the invested funds of the College. The assistance from this development, together with the bequest of Mrs. Obed J. Wilson in 1927 of $50,000, for the establishing of a professorship known as the "Francis Landrum Professor of Ethics and Moral Conduct," and the increase in the holdings of the college, has lifted the endowment to approximately $460,000. The aim now held is $500,000, and that appears reasonably sure in the near future.

Under the administration of President Franklin, the college course was restored and its expansion was rapid. In 1927 the University of Kentucky gave Union College the rating of a standard four-year college of A grade. Since then, Union has been admitted as a member of the Kentucky State College Association. The future of Union College is no longer problematical and, with its splendid plant and equipment conservatively valued at $325,200, and its strategic location in the rapidly developing section of the state, the institution is destined to become one of the outstanding colleges of the country.

President Franklin severed his relationship with the College, November 15, 1928, to become president of Southwestern College, Winfield, Kansas. He was succeeded on February 1, 1929, by the Reverend John Owen Gross.

AIM AND PURPOSE

The constitution of Union College provides that it will "devote its efforts and being to the interest of Christian Education and to qualify and equip men and women to engage creditably in the several employments, callings and avocations of peaceful and progressive society and to discharge honorably and usefully the various duties of life." It is under the direction and control of the Methodist Episcopal Church of Kentucky. While this is true, it is not a sectarian school, but is endeavoring to render a service, not only to its conference constituency, but also to

the young people of the mountain territory in which it is located. Union College endeavors to maintain a Christian atmosphere by securing for its faculty only those persons who can accept, heartily and without reserve, the ideals for which the school stands. In its chapel services and special evangelistic meetings it emphasizes the importance of accepting Christ as a personal redeemer, constant guide and inspiring ideal.

As an educational institution Union College desires to do a work that will justify its standing as an A grade college. Its faculty is selected with a view of acceptable scholarship and specific training for the particular subjects that are taught. It desires also to take into consideration the student, with whom the faculty is urged to be ever patient, sympathetic and helpful.

BUILDINGS

Administration Building—The main building is an impressive three-story structure of brick, trimmed with Tennessee marble. On the first floor are five classrooms, the College offices and library. On the second floor are the chemical, physical and biological laboratories, the chapel that seats four hundred persons, two music studios and two classrooms. The ground floor has the kitchen, dining hall and domestic science department.

Fanny Speed Hall is a three-story, home-like building for young women. On the first floor it has a large parlor, apartment for the matron, sewing room and laundry It is heated with steam and has modern conveniences.

Stevenson Hall is a three-story brick building of colonial design and is the dormitory for young men. The rooms accommodate two students each and some of them have running water.

Soldiers and Sailors Memorial Gymnasium—This building was erected in 1919 as a memorial to the soldiers

and sailors of the World War. It contains a standard basket ball court. The basement has a standard sanitary swimming pool with showers, lockers, and dressing rooms.

President's Home—This is a beautiful two and one-half-story brick veneer building. It is well arranged for taking care of groups and is modern in equipment and furnishings.

Superintendent's Cottage—This is the oldest building on the campus and was erected and occupied by Dr. Stevenson during his tenure as president. It is a frame cottage of five rooms and is the home for the superintendent of buildings and grounds.

CAMPUS

Union College is proud of its beautiful campus. The buildings are attractively placed among some twenty different varieties of native trees. Cement walks connect them with each other and with the street.

Athletic Field—The athletic field lies immediately back of the campus and affords ample room for football and baseball games. There are also five hard clay tennis courts and a croquet ground.

UTILITIES

Heating Plant—All of the buildings are heated from a central plant that is situated some distance from the other buildings. This not only lessens the fire hazards, but provides greater cleanliness. In the same building there is also a forty horse-power Skinner automatic engine, directly connected with a James Clark, Jr., 25 K. W. direct current dynamo, with which the college generates its own lights. There are also three steam pumps here. In the shop is one screw-cutting lathe, drill-press and a full complement of metal and wood-working tools.

Fire Protection—The buildings are furnished with hand chemical fire extinguishers. Large water pipes run into the buildings with water hose attached on each floor.

Water—The water used for drinking purposes comes from a cased well near the girls' dormitory, which is 100 feet deep and furnishes water from the deep-lying sandstone.

Sewage—The College has a modern sewage system extending one-half mile to Richland Creek.

EQUIPMENT

Library—The Speed-Stevenson Library, containing seven thousand volumes, was established by Mrs. Fanny Speed, of Louisville, Ky., and Mrs. Stevenson, wife of the first president of Union College. Other generous donors have been:

The late Professor George H. Daines.
The Honorable John H. Wilson, of Barbourville, Ky.
Kentucky Methodist Conference.
Mrs. J. H. Good, of Ashland, Ohio.
Mrs. John R. Eads.
The Reverend J. R. Watkins.
Mrs. E. J. Langdon.
Dr. E. C. Wareing, editor, *Western Christian Advocate.*
The Reverend W. B. Collins, one time pastor, Trinity Church, Louisville, Ky.
Mrs. F. E. Baldwin, Elmira, N. Y., and
Mrs. Harold Means, Ashland, Ky., through gift of $1,000 each.
Mr. W. G. Bennett, Louisville, Ky.
The Reverend J. C. Arabuckle, Columbus, Ohio.
Garrett Biblical Institute.
Drew Theological Seminary.
Mrs. Theo. S. Henderson.
Rev. Daniel G. McGurk.
Dr. A. M. Hyde.
Dr. John W. Potter.

A recent gift of $5,000 provides equipment for the Library and Science Laboratories.

LABORATORIES—*Chemistry*—Accommodations are provided for seventy-two students at standard desks equipped with running water and natural gas. Distilled water is supplied by a gas still. A hood, equipped with gas and water, forms part of the laboratory facilities. A well-lighted balance room houses three analytical balances. The stock rooms contain sufficient supplies of glassware, apparatus and chemicals to care for the demands of any courses offered.

Physics—This equipment includes all the standard apparatus necessary to meet the requirements of a general college course. Special equipment is provided, such as the Ingersol Eye Model, Anco Color Mixer, Knipp's Alpha Ray Track Apparatus and Nelson Vacuum Pump.

Biological—Tables and chairs provide working accommodations for classes of thirty-three students each. The equipment consists of standard dissecting sets, magnifying glasses and compound microscopes. There are many specimens preserved in bottles. Other things, such as human skeletons and models are available.

DOMESTIC SCIENCE—*Sewing Room*—The Sewing Room is equipped with Singer sewing machines, tables, mirror, and such other equipment as is necessary for the work in that department.

Kitchen—The Domestic Science Kitchen is fully equipped with gas stoves, ovens, water, dishes and cooking utensils.

MATHEMATICS—Hardwood models of the various geometric forms are provided. Drawing boards and accessories are provided for classroom work in geometry. Each student is expected to own an inexpensive pair of compasses for home use. For the course in surveying the department has one transit, one level, two compasses, and the usual accessories, including a hundred foot tape,

which has been tested by the United States Bureau of Standards and guaranteed accurate to within .02 of an inch.

MUSIC—The College owns eight upright pianos and there is a concert grand piano in the chapel for the public services and concerts.

CAMPUS REGULATIONS

Union College requires of its student body good moral conduct. It will not accept students of loose morals or allow them to remain when discovered. Herewith are listed some of the campus rules that all dormitory students should observe:

1. The study hours for all students who are residents of the dormitories are from 7:30 to 9:30 P.M. During the study periods students must remain in their rooms and preserve quietness.

2. All dormitory students must secure permission to leave town from the proper authorities.

3. Students who run store accounts should have the written consent of their parents. Merchants who sell to students on their credit do so at their own risk.

4. Dormitory students must obtain special permission to keep automobiles before enrolling.

5. Residents of Speed Hall are allowed to receive visitors in the parlor by the permission of the Dean of Women, who may require the written consent of the parents whenever she may deem it necessary. Times for social privileges are designated. Union College regards promiscuous mixing as detrimental to good work and insists that all social privileges be regulated according to the formulated rules.

6. Students will be expected to pay for all breakage and defacement of property, whether accidental or not. Accidents must be reported promptly. A deposit of $5.00

for the men's building and $2.00 for the women's building must be made at the time of enrollment. What remains of the deposit after paying for the damages, if any have been done, will be refunded ten days after commencement.

The damage fee can be held by the College against any bills owed by the student and credited on such bills.

7. The use of tobacco on the campus, profanity and obscene language is forbidden.

8. The dormitories of Union College usually provide adequate rooming facilities for young men and women who are boarding students. This being the case, these dormitories will be filled before permission will be given to room out in town. This permission must be obtained from the president or business manager.

9. All mail should be addressed to the student in care of Union College. Mail will be delivered twice a day by the College mail carrier.

10. Punctual and regular attendance at all scheduled classes is required. The student becomes a member of the class on the date indicated on his schedule card and attendance is reckoned from that. Three tardinesses count as one absence. Absences on the first day before or after a recess count the same as two absences at any other time. When a student's absences in any course equal the number of class periods per week in that course the student must take a special examination. The customary fee of $1.00 is charged for special examinations. If the absence has been occasioned by prolonged illness or as a representative of the College, the fee may be remitted.

11. All students are required to attend the daily chapel exercises.

12. Each student is required to attend Sunday school and the Sunday morning worship at the church of his choice as indicated at the time of enrollment. It is also expected that each student shall attend all religious services under the direction of the College.

13. After once enrolling in a class, the student cannot drop the work except by the consent of the Dean and the teacher in charge.

14. Examinations in all the courses of the College are held at the end of each six weeks' period. Students are expected to present themselves at the scheduled time and will not be excused except for reasons approved by the instructor. A fee of $1.00 will be charged for each extra announced examination or test.

15. *Physical Education*—Freshmen and Sophomores are required to take two hours a week in physical training. This includes inter-mural games of basketball, volley ball and tennis. The gymnasium is supplied with all kinds of apparatus to be used in the calisthenic classes. The large swimming pool is open to boys three days a week and to girls three days a week.

BOARDING STUDENT'S OUTFIT

Boarding students should bring the following articles: Large pillow slips, sheets, pair of blankets, quilt, counterpane, towels, napkins, and covers for bureau and washstand.

ATHLETICS AND RECREATION

Union College conducts its athletics on a high ethical plane. Union has good teams and every year plays the leading colleges of our state and Tennessee in football, basket ball, baseball and tennis.

Hiking parties into the mountains are frequently arranged and conducted by proper chaperonage.

Students also have the privilege of visiting the historic points nearby, like Cumberland Gap, and the site of the first house in Kentucky, just south of Barbourville.

SCHOLARSHIPS

THE JOSHUA S. AND ELIZABETH TAYLOR SCHOLARSHIPS

The Rev. Joshua S. Taylor and Mrs. Elizabeth Taylor, of Middleburg, Ky., left to Union College the sum of $3,100, the income of which is to be used to help needy young men studying for the ministry in the Methodist Episcopal Church in Kentucky.

JOHN A. AND HANNAH BLACK SCHOLARSHIPS

The late John A. Black, one of the founders of Union College, left $5,000 to the college, the income to be used for scholarships for young people who are preparing for some form of Christian work.

LOAN FUNDS

The Board of Education of the Methodist Episcopal Church appropriates a small amount each year from the Children's Day offerings to the college to lend to worthy young people who are members of the Methodist Episcopal Church.

Expenses

Union College is operated very economically and the expenses are kept reduced to a minimum. However, what a student pays does not represent but about one-third of the cost entailed for his education. The difference must be procured from the invested resources of the College. Our low charges enable students to secure an education who could not do so if they were compelled to pay the entire expense. In order to keep the atmosphere democratic and congenial for all students, Union College discourages parents furnishing much spending money for their children. It also desires simplicity and modesty in dress.

All bills are charged by the semester and are payable in advance. There will be no reduction of general tuition for those entering two or three weeks late since it requires extra care to bring the student up with his classes.

If a student takes Music or Expression for less than a term or fewer than two lessons a week, the lessons will be at a higher rate than by the term.

Credit for board will be allowed at the rate of $3.50 a week where a student enters late or leaves before the close of the term.

Bring enough money, or preferably a check or draft, to pay tuition and board for a semester. Save a little for books and incidentals.

TUITIONS

	First Semester	Second Semester
College	$50.00	$50.00
Expression—Two lessons a weeks	27.00	27.00
One lesson a week	15.00	15.00
Piano—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00
Voice—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00
Harmony or History	10.00	10.00
Violin—Two lessons a week	30.00	30.00
One lesson a week	18.00	18.00

Reed or Wind Instruments—Same as Violin.

LABORATORY AND RENTAL FEES

	First Semester	Second Semester
Biological Courses	$ 3.00	$ 3.00
Physics	3.00	3.00
Chemistry 1	4.00	4.00
Chemistry 2	6.00	6.00
Piano rental, one hour daily	4.50	4.50

BOARD AND ROOM

	First Semester	Second Semester
Board and room, including light, heat, water, and mail service	$90.00	$90.00
Orientation	2.00	.....

MISCELLANEOUS

Breakage deposit in Boys' Hall, refunded when key is turned in if everything is in good condition $5.00

Same, in Girls' Hall 2.00

All girls living in Speed Hall will pay fifty cents a semester for the use of electric irons for ironing and pressing.

Special Examination 1.00

College, Academic or Music Diplomas 5.00

Student Activity fee, per semester 8.00

(This fee is paid by all students and covers all expenses for gymnasium, admission to athletic games, all sports, lyceum, and a subscription to the College paper, *The Orange and Black.*)

Certificates in Music Courses 1.00

Total expenses for board and room, tuition and Gymnasium and Student Activity fee for the different departments are as follows:

	First Semester	Second Semester	Year
College	$148.00	$148.00	$296.00

REFUNDING

No fees will be refunded.

No tuition will be refunded. But in case of protracted sickness when the student has to drop out of the term's work a non-transferable due bill will be given covering tuition for the time lost.

If private lessons in music or expression are missed by the fault of the teacher or school, they will be made up or the tuition refunded for the time lost. If the student fails to report for lessons the College will not be responsible, and there will be no refunding of tuition.

TEXTBOOKS AND SUPPLIES

The College maintains a book store where text-books and supplies may be obtained. Sales are for cash only.

College of Liberal Arts and Sciences

ADMISSION OF STUDENTS

Students will be admitted to the College as their previous training warrants. They will be admitted to the freshman class, to advanced standing or as special students.

ADMISSION FROM ACCREDITED SCHOOLS

Graduates from high schools on the accredited list as shown by the State Departments of Education or other reputable standardizing agencies will be admitted to the freshman class upon presentation of a certificate signed by the principal or superintendent of such a high school. Blank certificates may be obtained by writing the President of Union College, Barbourville, Ky.

To enter College the student must present at least fifteen "units" of high school work. A "unit" is the amount of work done in a standard high school running thirty-six weeks with at least forty minute recitation, five days a week. Double periods are required for laboratory work.

REQUIRED

Algebra	1
Geometry	1
English	3

ELECTIVES

English	½ to 1
Latin	1 to 4
French	2
German	2
Spanish	2
Solid Geometry	½
Physics	1
Physical Geography	½
Botany	½ or 1

ELECTIVES

Zoology	½ or 1
History	1 to 4
German	2
Physiology	½
Chemistry	1
General Science	½ or 1
Greek	2
Economics	½
Psychology	½
English Bible	½ to 1
*Bookkeeping	1
Domestic Science	1 to 2
Manual Training	1
Mechanical Drawing	1
Music	1 or 2

*Not more than three units may be offered in Bookkeeping and the subjects listed after it and other vocational subjects.

ADMISSION BY EXAMINATION

Candidates for admission who are not graduates of accredited high schools will be required to take thorough examinations to establish their scholarship before being admitted.

ADMISSION TO SPECIAL STUDENTS

As a rule students desiring to pursue college work will be entered in a regular class looking toward graduation, yet under exceptional circumstances students who are not candidates for a degree may be permitted to take selective studies. However, such students must satisfy the faculty that they are able to take with profit the work selected. Each case will be decided on its own merits.

ADVANCED STANDING

Students seeking admission with advanced standing must present credits from other standard colleges or accredited junior colleges, together with a letter of honorable dismissal, before they may be accepted. The credit to be allowed will be determined by the Committee on Advanced Standing in conference with the heads of the departments concerned.

REQUIREMENTS FOR GRADUATION

The Bachelor of Arts Degree (A.B.) will be conferred upon the completion of 124 semester "hours," including the required work and a major and two minors to be chosen by the student not later than the beginning of the Junior year.

Four of the 124 hours required for graduation should be taken in physical education during the Freshman and Sophomore years, one hour each semester.

The "hour" is the work done in a class meeting one period each week for a semester. Two periods of laboratory work is equal to one hour of class work.

The last thirty hours of the College course must be done in residence in this institution by all students who are candidates for the Bachelor of Arts degree.

The required work is listed and the amount of elective work is stated under the curriculum. When the major and minors are selected the amount of elective work will be reduced accordingly.

A major subject and two minor subjects must be chosen not later than the beginning of the Junior year. One must be correlated to the major subject. The other minor may be selected from any field approved by the professor in charge of the major subject together with the Dean.

The work in the major subject will cover not less than twenty-four hours nor more than thirty-six hours and a minor not less than twelve hours.

The specific requirements of all candidates for the bachelor's degree are

English—Six hours in English Composition. Six hours in English Literature.

Foreign Language—Twelve hours. A beginning course in Foreign Language may not count toward this requirement unless a second year is taken in the same language.

History, Political Science and Economics—Twelve hours. If two or more units of History are offered for entrance, the requirement may be reduced to nine hours. If a course in Modern History is not offered for entrance, Modern History must be taken in college. In any case, at least six hours in History and three hours in Political Science or Economics must be taken.

Science and Mathematics—One year in Biological Science and one in Chemistry or Physics. If a satisfactory laboratory course was taken in junior or senior years of High School in Biology, Chemistry or Physics, that

subject may be substituted with either Mathematics or some other science.

Bible, Religious Education, Psychology—Six hours in Bible, three hours in Religious Education and three hours in Psychology.

CLASSIFICATION

Classification of students is determined by both quantity and quality credits. For Sophomore classification the student must have 25 quantity and at least 25 quality credits. For Junior promotion 55 quantity and 55 quality credits are required. For admission into the Senior class 88 quantity and at least 88 quality credits must be presented in September.

HONORS IN SCHOLARSHIPS

Honors in scholarship are recorded on the diplomas of the students winning them, and published on the Commencement program.

Honors in General Scholarship—two grades of honors, designated respectively as honors (*cum laude*) and high honors (*magna cum laude*) are conferred at graduation upon students who satisfy the following conditions of scholarship:

Honors in general scholarship are awarded to those students who have attained a grade of A in 60 hours of the total required for graduation, and a grade not lower than B in 40 hours more.

High honors are awarded to those students who have attained the grade of A in 100 hours of the total required for graduation.

Students completing more than 124 hours for graduation, must attain the same ratio of hours in A and B.

Students coming from other colleges may receive general honors on completing two years of resident study and satisfying the conditions of scholarship prescribed by the Faculty; provided they furnish also such evidence

of high scholarship in the institution from which they came as may, in the judgment of the Faculty, entitle them to become candidates for honors under the regulations.

CURRICULUM

Freshman

FIRST SEMESTER		SECOND SEMESTER	
English Composition	3	English Composition	3
Foreign Language	3 to 4	Foreign Language	3 to 4
Science	4 to 5	Science	4 to 5
*History, Mathematics or Education	3	*History, Mathematics or Education	3
Bible	2	Bible	2
Physical Education	1	Physical Education	1

Sophomore

English Literature	3	English Literature	3
Foreign Language	3	Foreign Language	3
Science or Mathematics	3 to 5	Science or Mathematics	3 to 5
Physical Education	1	Physical Education	1
*Electives	6 to 8	Electives	6 to 8

Junior

Psychology	3	Religious Education	3
‡Electives	12	Electives	12

Senior

‡Electives	15	Electives	15

QUALITY OF WORK

The one hundred twenty-four semester hours of work must be of such a character as to make at least one hundred twenty-four "points" on the following scale:

*A student expecting to make a provisional elementary certificate to teach in Kentucky at the end of his Freshman year must take the sixteen hours outlined by the Department of Education and published on page — of this catalogue.

‡Any required work in the History group, Foreign Language group, or other group requirements not finished during the Freshman and Sophomore years should be finished during the Junior year, if possible.

Major and Minor requirements must be kept in mind in making a schedule for the Junior and Senior years.

One semester hour completed with a grade A counts three points.

One semester hour completed with a grade B counts two points.

One semester hour completed with a grade C counts one point.

Grades below C do not count for points.

EXAMINATIONS AND GRADES

Written tests are given at the end of the sixth and the twelfth week of each semester and final examinations at the close of each semester. Test and examination grades, together with the daily grade, constitute the semester grade. Grades are reported in letters as follows: A, B, C, D, E, F, I, and W. Grade A means *excellent;* grade B means *good;* grade C, *fair;* grade D, *unsatisfactory;* grade E, *conditioned;* grade I, *incomplete;* grade W, *withdrawn;* grade F, *failed.* If the student is carrying extra work no D grade and only one C grade a term will count towards graduation. No completed course will be marked E. Only a continued course will be marked E when the teacher thinks the student may make up the deficiency before the course is completed. If the student does not make up the deficiency the whole course will be marked F. A grade of F means that the course must be dropped. If for good reason presented to the teacher, the student receiving grade F desires to take another examination, the teacher may give it upon receipt of order for special examination. Credit toward graduation will not be given on a course not completed, except in certain courses where the work done will justify.

An order for special examination may be obtained at the Office by paying a fee of $1.00. Examinations other than those set for the class shall be classed "special examinations," and can not be held except by order for same.

The object of this ruling is two-fold. 1. To assure attendance upon examination. 2. To spare a busy teacher the waste of time.

PRE-MEDICAL COURSE

The College strongly recommends to all students who anticipate the study of medicine a complete course leading to the bachelor's degree.

Under approved conditions, however, Union College will permit a student to take three years of work in the College of Liberal Arts and grant the degree of Bachelor of Arts upon the completion of the first year in a standard medical school.

If a student has definite plans that permit him to spend but two years in college, the following subjects are required for entrance to many medical schools:

Required Subjects:	Semester Hours
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6
Other non-science subjects (e)	12
Subjects Strongly Urged:	
A modern foreign language (f)	6-12
Advanced Botany or Advanced Zoology	3-6
Psychology and Logic	3-6
Advanced Mathematics, including Algebra and Trigonometry	3-6
Additional courses in Chemistry	3-6

Other Suggested Electives:

English (additional), Economics, History, Sociology, Political Science, Mathematics, Latin, Greek, Drawing.

College of Liberal Arts

DEPARTMENT OF INSTRUCTION

In this detailed description the courses of instruction are designated by numbers containing three digits. The first digit indicates the group. Example: 1 indicates a Freshman course, 2 a Sophomore course, 3 a Junior course, and 4 a Senior. The second digit indicates the value of the course in semester hours. The third digit indicates the semester—the odd numbers indicate first semester, and even numbers the second semester. Example: 131 is a Freshman course, three semester hours credit, and is offered during the first semester.

DEPARTMENTS

The following departments are maintained at Union College:

I. Bible and Moral Philosophy (Philosophy, Religious Education).

II. Economics and Sociology (Political Science).

III. Education.

IV. English (Language, Literature, and Speech).

V. Foreign Languages (French and Latin).

VI. History.

VII. Natural Science (Biology, Health Education, Agriculture).

VIII. Physical Science (Chemistry, Mathematics, Physics).

IX. Physical Education.

I.

DEPARTMENT OF BIBLE AND MORAL PHILOSOPHY

JOHN OWEN GROSS
Acting Head of the Department and Professor of Bible and Religious Education

The work in Bible is a literary, historical, social and devotional study of the English Bible with a view to making scholarly and genuine Christian citizens. The work is presented with such thoroughness and appreciation as to remove a too frequent feeling that such study is not worthy of the time of people of affairs.

Religious Education and Moral Philosophy are presented so as to include the best known principles and practices of Christian Education in religion and morals.

Bible

BIBLE 121-122—*The Words of Jesus.* The accepted words of Jesus arranged in chronological order and studied somewhat detached from the writings of the Apostles. Jesus' teachings from the nucleus around which we must build our Christian beliefs and hence are of utmost importance. (Not given in 1930-1931.)

BIBLE 131—*Old Testament Survey.* A study in the important developments in the political, economic, social and religous history of the Hebrew people with particular emphasis upon the significance of these experiences for our life today.
First semester, three hours.

BIBLE 132—*New Testament Survey.* A general view of the life and teachings of Jesus and the early apostolic church. A short introduction to the books of the New Testament is given.
Second semester, three hours.

BIBLE 233—*Life of Christ.* A study of the life and work of Jesus based on the four Gospels with special reference to the social, political and economic background of New Testament times. Each student will write his own life of Christ. This course will be given in sections to meet the need.
First semester, three hours. (Optional with the Department.)

BIBLE 234—*The Birth of the Christian Church.* Historical and interpretive study. The course covers the rise of the early Christian Church under the Apostles. The Book of Acts will be studied in detail. Methods and material for Bible teaching will be in mind. American Standard Bible used as text.
Second semester, three hours. (Optional with the Department.)

Philosophy

It is the design of these courses to connect the student with his real world. Professor Royce wisely wrote that one philosophizes when he tries to understand his world. It is the part of a philosopher to treat life seriously and to feel for the truth sympathetically. The Christian philosopher endeavors to construct a system of logical interpretation based upon the experience of the race in its endeavor to become better. The fundamentals of Christianity are kept in mind and due respect for its contribution to the uplift of the world is maintained.

Those majoring in Philosophy will take one minor in History or English.

PHILOSOPHY 231—*Ethics.* A critical study of the foundation of moral obligations. The course is designed to give philosophic insight and to build moral character. Moral laws are applied to practical life and correlated with Christian ethics. Comparative study of two standard texts. Lectures.
Three hours, first semester.

PHILOSOPHY 232. Introduction to Philosophy and study of the nature and function of Philosophy. The course introduces the student to the terminology and problems of Philosophy and with the important movements of that and recent tendencies in this field.
Three hours, second semester. (Optional with the department.)

PHILOSOPHY 333—*Logic.* A study of the purposes, laws, and limitations of human reasoning, whether deductive or inductive. The course is made as practical as possible. Text: Creighton's Introductory Logic.
Three hours, one semester. (Optional with the Department.)

PHILOSOPHY 335—*History of Ancient and Medieval Philosophy.* A careful survey of philosophic thought from the early Greeks to the Renaissance. The aim of this course is not so much to master the details of each philosopher as to grasp the fundamental of each school and note the effects upon succeeding philosophies and sciences. Textbook, much collateral reading, and lectures.
Open to Juniors and Seniors.
Three hours, first semester. (Optional with the Department.)

PHILOSOPHY 336—*History of Modern Philosophy.* Beginning with Descartes and Bacon, the development of philosophic thought and its relation to national ideals are carefully studied. This study

should throw substantial light upon the background of modern social, religious, educational, and governmental problems.

Open to Juniors and Seniors.

Three hours, second semester. (Optional with the Department.)

PHILOSOPHY 431-432—*Philosophic Foundations of Christian Theology.* The first part of the course makes an inquiry into the theistic conception of the world with the thought of establishing that view as a necessary postulate of reason and of human life. The second part of the course offers a philosophic study of the fact and the sense of sin, the incarnation, atonement, miracles, redemption from sin, immortality, etc. The effects of these doctrines will be traced in civilization, and modern problems will be viewed in the light of what Christianity offers as a solution.

Open to Juniors and Seniors.

Three hours throughout the year. (Optional with the Department.)

Religious Education

RELIGIOUS EDUCATION 231. *Principles of Religious Education,* a general introduction to the essentials of theory and method in modern religious education. An examination of teaching materials and procedures. Problems of organization and administration.

First semester, three hours.

RELIGIOUS EDUCATION 232—*The Church and Its Educational Task.* A careful examination of the modern program of religious education with particular reference to the educational work of the local church.

Three hours, second semester.

RELIGIOUS EDUCATION 331—*Philosophy of Religion.* A course dealing with the philosophical principles underlying the study of religion. Modern religious problems demand an intelligent analysis and a proper faith must be founded on reasoned out facts. A course designed to help in solving problems in religion and moral conduct.

Three hours, first semester. (Optional with the Department.)

II.

DEPARTMENT OF ECONOMICS AND SOCIOLOGY

WAYNE T. GRAY

Head of the Department and Professor of Economics and Sociology

Requirements for graduation, six hours.

Requirements for major, 24 hours.

For minor, 18 hours.

ECONOMICS 231—*Introduction to Economics.* An examination of the fundamental principles of Economics, including production, distribution, and consumption of economic goods.
First semester, three hours.

ECONOMICS 232—*Economic Problems.* A study of modern economic problems, such as currency, banking, tariff, taxation, international trade, and labor.
Second semester, three hours.

Political Science

POLITICAL SCIENCE 221-222—*The Problem of Government.* A study of the principles and structure of American government. Emphasis upon its actual workings and upon current problems. Historical development, organization, powers, limitations of the government, and treatment of sovereignty, citizenship and nationality, electorate, and governmental powers.
Two hours throughout the year. Omitted 1930-31.

Sociology

SOCIOLOGY 131—*Introduction to Sociology.* An introductory year-course discussing the origin of human society and the factors affecting its evolution, the process of society, the working of the social mind, and the methods of social control; a survey of significant present-day social conditions and problems and of the methods by which control is secured for safety and betterment.
First semester, three hours.

RURAL SOCIOLOGY 232. Three hours, first semester. An investigation and study of rural problems and institutions. The aim of this course is to stimulate interest in the farm home, the rural school, the country church, and farm organizations which have for their object the betterment of the countryside. Three hours.

SOCIAL PATHOLOGY 321. A study of degeneracy, poverty, crime, immorality, and other forms of the social mal-adjustments of modern society. The cause, the extent, significance, and present methods of dealing with them will be considered. Three hours.

SOCIAL CONTROL 332. A description of control advices as they attempt to make society orderly. Some devices considered and evaluated are rewards, praise, threats, punishment, etc. Three hours.

III.

DEPARTMENT OF EDUCATION

MAURICE F. SEAY
Head of the Department and Professor of Education

MISS ETHEL G. EVERSOLE
Instructor in Public School Music

A major requires twenty-four semester hours; a minor requires eighteen semester hours.

Teachers' Certificates

The following paragraphs are quoted from the bulletin on certificates issued by the State Department of Education:

(10) *Provisional Elementary Certificate,* issued upon minimum of standard high school graduation plus 16 semester hours of standard college work *earned in residence,* including at least 4 and not more than 8 semester hours in Education; reissued upon 16 semester hours of standard college credits earned after issuance. Information, as to subject matter, for the initial 16 semester hours:

Required Subjects

Education (Classroom Management)	3 sm. hours
Teachers' Arithmetic (Method of Teaching)	2 to 3 sm. hours
English (Methods of Teaching)	3 sm. hours

Elective Subjects

American History	3 sm. hours
Music Methods	1 to 2 sm. hours
General Agriculture	1 to 2 sm. hours
Health Education	2 to 3 sm. hours
Geography—U. S. and N. A.	3 sm. hours
Teaching of Reading	2 to 3 sm. hours

(11) *Standard Elementary Certificate,* issued on minimum of 64 semester hours of standard college work, including at least 12 semester hours in Education; reissued on three years' teaching experience and may be extended for life.

(12) *Provisional High School Certificate,* issued on minimum of 64 semester hours of standard college work, including at least 12 semester hours in Education; reissued on 32 semester hours of college work earned after issuance.

(13) *Standard High School Certificate,* issued to graduates of standard senior colleges, including at least 12 semester hours in

Education and Practice Teaching or *satisfactory evidence of two years' teaching in high school;* reissued on teaching experience; may be extended for life upon minimum of 24 semester hours in Education and three years' teaching on the certificate.

(14) *Superintendent's Certificate,* issued on same basis as the *Standard* or *Provisional High School,* with additional college credit of 6 semester hours of *Administration* and *Supervision* and four years' teaching experience.

(15) *Provisional* or *Standard High School Certificate,* for special subjects issued on same condition as *Provisional* or *Standard High School Certificate,* provided applicant has at least 12 semester hours in the special subjects.

EDUCATION 131—*The Teaching of English in the Grades.* This course is designed for prospective elementary school teachers and is a requisite for the issuance of an elementary certificate. It is a study of general and special methods of teaching English in the Grades. Special attention given to lesson plans, correction of oral and written errors; English Grammar, Composition in the grades.
First semester, three hours. Repeated second semester.

EDUCATION 121—*The Teaching of Mathematics in the Grades.* A study of the materials and methods for teaching arithmetic in the elementary grades. Special emphasis is given to the scientific procedure in the field of Arithmetic. Required of all students who are candidates for the Provisional Elementary Certificate.
First semester, two hours. Repeated second semester.

EDUCATION 132—*Classroom Organization and Management.* This course is designed for prospective teachers. It deals with scientific management of classroom procedures. Major topics: Attendance, Discipline, Promotion, Incentives, Time Schedules, Assignments, Technique of Teaching, and Assignment of Marks. Open to Candidates for Public School Certificates.
Second semester, three hours.

EDUCATION 231—*General Psychology.* An elementary course in psychology. A brief review of the anatomy and physiology of the nervous system is given. The laws of mental growth and action are formulated. The nature of the self and its relation to society is studied. Not open to freshmen. Sophomores are required to take this course either the first semester or second semester.
First semester, three hours.

EDUCATION 251—*Practice Teaching in Elementary Grades.* In this course the student prepares lesson plans and teaches in the first six grades of the Barbourville Public School. Ninety periods of fifty minutes each of actual teaching in the presence of a Critic

Teacher or of the Professor of Education, are required for the Standard Elementary Certificate. Prerequisite: Nine semester hours, including Education 131 and 132.

First semester, five hours. Repeated second semester.

EDUCATION 335—*Principles of Secondary Education.* A study of the aims of education, of the functions of educational institutions particularly of secondary education, and of the selection and organization of subject matter with reference to its purpose. Open to juniors, seniors and candidates for High School Certificates.

First semester, three hours.

EDUCATION 336—*Educational Measurements.* Considers the chief methods used in the measurement of intelligence and of attainment in various school subjects. Simply statistical terms and processes are studied. Open to juniors, seniors and candidates for High School Certificates. Prerequisite: Education 335 or 6 hours of other courses in Education.

Second semester, three hours.

Offered in 1930-1931 and alternate years.

EDUCATION 338—*High School Administration.* Deals with organization and administration of secondary schools. Emphasis is given to qualification of teachers and of principals, types of organization, personnel work, and extra-curriculum activities. Open to juniors, seniors and candidates for High School Certificates. Prerequisite: Education 335 or six hours of other courses in Education.

Second semester, three hours.

Not offered in 1930-1931; offered in 1931-1932 and alternate years.

EDUCATION 425—*Methods of Teaching in Junior and Senior High School.* Designed for prospective secondary school teachers. This course deals with methods of learning and teaching. Consideration is given to drills, problem-solving, motor skill, self-activity, apperception, motivations, and adaption to individual differences. Open to juniors and seniors. Prerequisite: Education 335 or six hours of other courses in Education.

First semester, two hours.

Offered in 1930-1931 and alternate years.

EDUCATION 426—*Methods of Teaching in Junior and Senior High School.* A continuation of Education 425. Emphasis is given to the procedures of conducting recitations, assignments, supervision of study, lesson planning, etc. Open to juniors and seniors. Prerequisite: Education 335 or six hours of other courses in Education.

Second semester, two hours.

Offered in 1930-1931 and alternate years.

EDUCATION 427—*The Junior High School Curriculum.* Deals with bases for the development and organization of junior high school curricula and with current practices as represented by recently organized curricula. Open to juniors and seniors. Prerequisite: Education 335 or six hours of other courses in Education.

Not offered in 1930-1931; offered in 1931-1932 and alternate years.

EDUCATION 428—*The Senior High School Curriculum.* A continuation of Education 427 with emphasis given to a study of how to formulate the high school curriculum and of what it should consist. Open to juniors and seniors. Prerequisite: Education 335 or six hours of other courses in Education.

Not offered in 1930-1931; offered in 1931-1932 and alternate years.

Public School Music

125. This course seeks to prepare for music teaching in the grades. It covers understanding of the child's voice and how to train it, sight singing, elementary theory and music appreciation.

Second semester, two hours.

IV.

DEPARTMENT OF ENGLISH

MISS ABIGAIL E. WEEKS
Head of the Department and Professor of English Literature

MISS CLARIBEL R. EATON
Instructor in English Language and Speech

English

Since the work in English is fundamental to all other courses, all students are required to take courses 131-132, 231-232, and are encouraged to take as much more as they have time to give to this field.

Students majoring in English will take courses 331-332 and elect at least eighteen hours more from the other courses under the direction of the head of the department.

For a minor in English eighteen hours are required.

Those majoring in English will take one minor in Latin, French or History.

ENGLISH 131-132—*Composition.* The purpose of this course is to train the student to use the English idiom with a reasonable

degree of accuracy, force, and ease. Success depends upon a knowledge of principles, a study in application of principles, and upon tireless practice. Many themes are required; these are criticized by the instructor, and personal conferences held at his discretion. Instruction is flexible in methods; freshness and variety are constantly sought. Required of all Freshmen.

Three hours a week throughout the year. 131 is repeated the second semester.

English 221-222—*Advanced Composition.* Open to all College students who like to write. Its purpose is to develop organization, fluency, vocabulary, and style. The first semester is given to an elementary course in Journalism, with the publication of *The Orange and Black* as a laboratory project.

The second semester is given to advanced Composition, with frequent study of forms from current literature. Original stories, essays and plays are written. (Optional with department.)

Two hours throughout the year.

English 233—*Word Study.* This course aims to give students a vital interest in words as living things, and to increase their delight in acquiring new words for every day use.

First semester, three hours.

English 234—*College Grammar.* Open to all who feel their need of a course in Grammar.

Second semester, three hours.

English 223-224—*Public Speaking.* This course is an elective to any student who wishes a course in public speaking. It is designed to give the fundamentals of voice control and platform appearance, together with the acquiring of ability to think on one's feet before an audience. Frequent memory gems and original speeches are required of all students.

Two hours throughout the year.

Literature

English 231-232—*Literature.* A rapid survey of the development of English Literature from Beowulf to the present, as a background for all further study of Literature. Collateral reading with reports is a regular part of the work. Required of all Sophomores.

Three hours throughout the year.

English 321-322—*The Bible as Literature.* This course aims to teach as literature, the stories, the poetry, the drama, with something of the philosophy of the Bible, applying the principles of

literary art to the greatest single collection of literature in the world. Elective for Sophomores, Juniors, and Seniors.
Two hours a week.

English 331-332—*Elements of Literary Appreciation.* A study of the principles of criticism, with abundant opportunity to apply these principles to current criticism, and to literature itself. Required of all who major or minor in English.
Three hours throughout the year.

English 333-334—*American Literature.* In general parallels Course 231-232. Alternates with 431-432. 1930-31.

English 335—*Lyric Poetry.* From Shakespeare to the present time.
First semester, three hours. (Optional with department.)

English 336—*Epic Poetry.* The Æneid, The Divine Comedy, and Paradise Lost.
Second semester, three hours. (Optional with department.)

English 431—*Victorian Poetry.* A detailed study of Tennyson and Browning. Open only to Juniors and Seniors. 1931-32.
First semester, three hours.

English 432—*Poetry of Today.* American Poets. English Poets. One-half semester each. 1931-32.
Second semester, three hours.

English 433—*Drama.* Study of Development of English Drama from its beginning through Shakespeare and the transition to Ibsen. 1930-31.
First semester, three hours.

English 434—*Modern Drama from Ibsen to Shaw and O'Neill.*
Second semester, three hours. 1930-31.

English 435—*Nineteenth Century Poetry.* A study of the period of transition from the later Romanticism to the spirit of the nineteenth century proper will precede the regular work which includes a detailed study of the poetry of Arnold, Clough, Browning, Tennyson, Rosetti, and Swinburn.
Two hours, first semester. (Optional with department.)

English 436—*Nineteenth Century Prose.* This course parallels Course 435, covering the prose work of Newman, Arnold, Ruskin, Carlyle, Macaulay and others.
Two hours, second semester. (Optional with department.)

V.

FOREIGN LANGUAGE

MISS NANCY MYERS
Head of the Department and Professor of French and Latin

French

The aim of these courses is to give the student a knowledge of the language both written and spoken, an appreciation of the literature, a general knowledge of the history and development of the language.

For a major in French take courses 231-232, 331-332, 431-432. Students majoring in French are advised to take course 321-322 also.

For a minor in French take course 231-232, and six additional hours.

Those majoring in French will take one minor in Latin, English, or European History.

FRENCH 141-142—*Elementary French.* Fraser and Squair is used as a grammar and reference book. Conversation and written work. Reading of one easy prose book.
Four hours throughout the year.

FRENCH 231-232—*Intermediate French.* Reading of such authors as Mérimee, Dumas, George Sand, Labiche. Memorizing of poems. One lesson per week in Composition. Conversational French to a large extent.
Three hours throughout the year.

FRENCH 321-322—*French Prose Composition.* This course aims to give the student a better knowledge of writing and speaking French. Open to students who have completed Course 231-232.
Two hours throughout the year.

FRENCH 331-332—*French Literature in First Half of Nineteenth Century.* Study of Victor Hugo, Lamartine, Alfred de Vigny, Alfred de Musset, Chateaubriand. Study of the literature of this period by collateral reading. Open to students who have completed Course 231-232.
Three hours throughout the year.

FRENCH 431-432—*French Classical Drama.* The reading of such writers as Corneille, Racine, Moliere. Outlines of the literature of seventeenth century.
Three hours throughout the year.

Latin

The object of the Freshman year is to learn to read Latin with ease. After that emphasis is given to Roman literature, Philosophy, and Roman life.

For a major in Latin take courses 131-132, 231-232, and twelve hours additional.

For a minor in Latin take course 131-132 and six hours additional.

Those majoring in Latin will take one minor in English or French.

The demand for courses in Latin has been so small that only one of the following courses has been given during any year. The department lists all of these courses as optional.

LATIN 131, 132—*Literature.* Livy's History, Books XXI and XXII, first semester. Cicero, De Senectute and De Amicitia, second semester. Prose composition and sight reading.
Three hours throughout the year.

LATIN 231, 232—*Literature.* The Odes and Epodes of Horace, first semester. Selected letters of Pliny the younger (to illustrate especially the state of Roman society at the close of the first century after Christ), second semester.
Three hours throughout the year.

LATIN 233, 234—*Roman Life and Civilization.* Lectures and assigned reading on the public and private life of the Romans. Special emphasis upon the influence of Roman civilization on modern life. This course does not count on a Major or Minor.
Three hours throughout the year.
Open to all college students.

LATIN 321, 322—*Roman History.* Suetonius' Lives of the Emperors. A detailed and intimate study of the First Century, A.D. The Histories of Tacitus. The same period of Roman History from a more critical viewpoint. Open to those who have had Latin 131-132.

LATIN 331, 332—*Silver Latin.* Selections from the Satirists, Persius, Juvenal and Petronius. *History.* The Annals of Tacitus I-VI, three hours a week. Open to those who have had Latin 131-132.

LATIN 431, 432—*Roman Literature.* A historical and critical survey of Roman literature from the third century B.C. to the fifth

century A.D., given by lectures, a text-book, collateral readings in Latin and English. Some brief outline of philology will also be taken up. Three hours a week for the year. Elective for those who have had Latin 131, 132, 231, and 232.

VI.

DEPARTMENT OF HISTORY

ARTHUR M. HYDE
Head of the Department and Professor of History

Major, 28 semester hours; minor, 18 semester hours. Courses 131-132, 231-232 or 233-234 are prerequisite to the more advanced courses in history.

History

History 131-132. This course has to do with the development of Europe from 1500 to the present time. Of special importance in this course are the intellectual, religious, economic, political and social changes which come with the Protestant Revolution of the sixteenth century, the French Revolution of the eighteenth, the Industrial Revolution of the eighteenth and nineteenth centuries and the very important changes in various fields which come with the nineteenth and twentieth.

Three hours throughout the year.

History 231-232—*History of Great Britain.* Attention is paid to the social and economic development as well as to the political. Omitted in 1930-31.

History 233-234—*History of the United States.* The European background, colonial life, rivalry with the French, the breaking away from Great Britain, the making of our Constitution and the beginning of our national life are studied the first semester; the Civil War and Reconstruction, the expansion toward the west, our industrial growth, receive especial attention the second semester.

Three hours a week throughout the year.

History 331—*History of Medieval Europe.* Of special interest because of its institutions which form the basis of those of modern times, such as feudalism, the city state, the beginnings of the national state, the Church, the Holy Roman Empire.

Three hours, first semester.

History 332—*History of the Reformation.* Social, intellectual, economic and political changes, important to an understanding of the modern world. Three hours, second semester.

History 431—*History of the French Revolution and the Napoleonic Period.* A study of the period 1789-1815, with considerable attention to conditions leading to the events of that period. The study is significant as an expression of ideals developing in the eighteenth century and influential in the nineteenth and twentieth.
Three hours, first semester. Omitted in 1930-31.

History 432—*Twentieth Century Europe.* A study of Europe before, during and since the World War.
Three hours, second semester. Omitted in 1930-31.

History 433—*American History to 1789.* The foundation and history of the American colonies and their relation to England, their struggle for independence and the making of the constitution.
Three hours, first semester.

History 434—*History of American Foreign Relations from 1789 to the Present Time.*
Three hours, second semester.

VII.

NATURAL SCIENCE

I. B. PEAVY
Head of the Department, and Professor of Biology

Requirement for major, 24 hours.
Requirement for minor, 12 hours.

Biology 141-142—*General Zoology.* Types of the main groups of animals are studied with regard to structure, development, and relation to environment. Laboratory work will be on animals selected from the following list: Amoeba, peramoecium, vorticella, stentor, sponge, hydra, hydroids, planarians, thread worms, earth worms, nereis, leech, starfish, sea-urchin, snail, clam, squid, crawfish, centipede, grasshopper, beetle and frog. Lectures and collateral reading. Two two-hour laboratory periods a week.
Four hours throughout the year.

Biology 241—*General Histology.* A course in histology, including the processes of fixing, imbedding, staining, technic sectioning and mounting different kinds of tissues. This course also includes an elementary study of the various organ tissues. Elective in the College. Recitations two hours, laboratory four hours.
Prerequisite: Biology 141 and 142. Four hours first semester.

Biology 242—*Human Anatomy and Physiology.* A course which treats of the various structures and functions of the human body. Lectures and recitations, two hours a week; laboratory

work, two hours a week. Prerequisite: Biology 141-142. Four hours second semester.

Biology 244—*Botany.* A study of the biology, morphology, and classification of typical plants selected from the different groups. Recitations two hours, laboratory four hours.
Four hours, one semester.

Biology 341—*Comparative Vertebrate Anatomy.* A study of selected vertebrate types from Amphioxus to the mammals. The form and development of the different systems of organs are considered in detail. This course is an excellent preparation for the work in human anatomy or for teaching. Recitations two hours, laboratory four hours.
Four hours first semester.

Biology 342—*Biology and Disease.* This course consists of recitations and lectures on the cause and means of preventing communicable diseases. It aims to give the facts which every person should know concerning tuberculosis, typhoid fever, diphtheria, yellow fever, and other diseases caused by bacteria or protozoa. Elective in the College year.
Four hours, second semester.

Biology 441-442—*Embryology.* This course includes the study of the development of the frog, chick, and a mammal from the time of fertilization of the egg until fully formed. Lectures and recitations, two hours a week, laboratory work, four hours a week.
Prerequisite: Biology 141 and 142.

VIII.

PHYSICAL EDUCATION

J. R. BACON
Head of Department and Professor of Physical Education

Physical education is required of all Freshmen and Sophomores. The work in this department will consist of calisthentics, inter-mural games, football, basket ball, baseball, track, indoor baseball, volley ball, tennis, gymnastics and drill.

Physical Education 121-122—Lectures on the practical care of the body and the physiology of exercise. Active exercises in the gymnasium or on the field.
Two hours per week. One hour credit.

Physical Education 221-222—Exercises in the gymnasium or on the field throughout the year.
Two semester hours credit.

PHYSICAL EDUCATION 223—*Coaching Football.* This course offers training for students who expect to coach football teams.
First semester, two hours credit.

224—*Coaching Basketball.* This course offers training for students who expect to coach basketball teams. Lectures and practical work.
Second semester, two hours credit.

IX.

DEPARTMENT OF PHYSICAL SCIENCE

MISS GEORGIA HASWELL
Instructor

For a major in Chemistry twenty-four hours is required; for minor, sixteen hours.

A minor in mathematics, fifteen hours.

A minor in physical science, chemistry, ten hours; mathematics, three hours; and physics, four hours.

Chemistry

In addition to the regular laboratory fee each student is required to deposit two dollars to defray any breakage during the course. At the end of the course all unused funds will be returned to the student.

CHEMISTRY 121—*Every Day Chemistry.* With the main object being the cultural value of chemistry, this course takes up the position of America in the field of chemistry. The time is devoted to a non-technical study of a few of the most important industries by means of reading and reports by students. Lectures and recitations two hours per week. May not be used to complete science requirement. Spring semester. Two hours. No prerequisite.

CHEMISTRY 151-152—*General Inorganic Chemistry.* A course with a two-fold object in that it shows the possibilities of chemistry in our everyday living and at the same time prepares the student for further study of the subject. The basic principles of chemistry are studied in detail. Lectures, demonstrations, and recitations three hours per week with laboratory four hours per week. Five hours throughout the year. Fee four dollars each semester. No previous chemistry required.

CHEMISTRY 211—*Inorganic Preparations.* Laboratory practice in the preparation of several of the more common compounds. Prerequisite: Chemistry 1.
One or two hours.

CHEMISTRY 231—*Qualitative Analysis.* A study of the metals by means of their ionic reactions is made in the light of the electron theory of matter. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 151-152.

CHEMISTRY 233—*Quantitative Analysis.* A course intended for pre-medical students. A study is made of the methods of volumetric analysis and fits the student to carry out accurate chemical determinations. Lectures and recitations one hour per week, laboratory four hours per week. Three hours first semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 251—*Qualitative Analysis.* Same as Chemistry 231 except that this course offers more work for the student who expects to major in chemistry. Lectures and recitations two hours per week, laboratory six hours per week. Five hours first semester. Fee six dollars.

CHEMISTRY 262—*Organic Chemistry.* While this course is designed for the student of medicine yet it is acceptable for the chemistry major. A thorough study is made of the elementary principles of the chemistry of carbon compounds. An effort is made to unify the material and prepare the student for the specialized work necessary in his further study. Lectures and recitations four hours per week, laboratory four hours per week. In the laboratory it is the amount of work done and not the time spent that shall determine the course. Six hours second semester. Fee six dollars. Prerequisite: Chemistry 231.

CHEMISTRY 331—*Physical Chemistry.* A special course for pre-medical students. The theory and principles of chemistry are discussed in the light of the more recent views. Special attention is given to the applications to medicine. Lectures and recitations three hours per week. Three hours second semester. Prerequisites: Chemistry 262, Chemistry 233, and Physics 141 and 142. Not offered 1929-30.

CHEMISTRY 333—*History of Chemistry.* A careful study of the rise of the science from the age of alchemy. The contributions of individual men are especially stressed. Prerequisite: Organic or Quantitative.
Two hours, first semester.

Mathematics

MISS GEORGIA HASWELL
Instructor

MATHEMATICS 130—*Solid Geometry.* A course based on a standard text.

Three hours, second semester.

MATHEMATICS 142—*College Algebra.* The course presupposes a knowledge of elementary algebra. Chief topics: A review of the fundamentals of algebra, progressions, permutations and combinations, probability, complex numbers, logarithms, theory of equations, and determinants.

Four hours, second semester.

MATHEMATICS 131—*Trigonometry.* An elementary course in plane trigonometry. The theory of logarithms is also included. Emphasis is placed on trigonometric equations and transformations, as well as upon systematic and accurate computations in the applications.

Three hours, first semester.

MATHEMATICS 231-232—*Analytic Geometry.* The fundamental notions of plane and solid analytic geometry.

Three hours. Through the year. Prerequisites: Course 141 and Course 132.

MATHEMATICS 331-332—*Differential and Integral Calculus.* Elements of calculus including differentiation, integration, Maxima and Minima, plane curves and areas.

Three hours, through the year. Prerequisites: Courses 141, 132, 231-232.

MATHEMATICS 432—*College Geometry.* The course takes up geometry where it is left in the high school course and reviews and enlarges the ideas found there, going into the geometry of the triangle, the quadrilateral and the circle, introducing and applying the idea of harmonic range and inverse figures.

Three hours, one semester. Prerequisite: Course 231.

Physics

MISS GEORGIA HASWELL
Instructor

PHYSICS 141-142—*General Physics.* A non-mathematical course designed to meet the cultural needs of the average student as well as the technical requirements of the student of science. The time is devoted to mechanics, heat, electricity, magnetism, sound, and light. Lectures and recitations three hours per week, laboratory two hours per week. Four hours throughout the year. Fee three dollars each semester. No prerequisite.

Extension

REGULATIONS GOVERNING EXTENSION COURSES

1. Extension courses cannot be used to satisfy residence requirements.

2. Twelve semester hours of extension work will be the maximum accepted by Union College for credit in one academic year, unless it is clear that the work was done under such conditions that the student could engage in full-time study; *i. e.,* that he was not otherwise employed.

3. No credit will be given for any extension work taken while the student is enrolled in Union College unless special permission for such work has been granted by the Dean. In no case will more than the total of 50 semester hours earned during one calendar year be accepted. Permission for this maximum must be granted by action of the faculty.

4. Students of Senior classification at Union College may not receive more than 12 semester hours of credit for extension work done in the Senior year. Written permission must be obtained from the Dean before such student enrolls in extension work. Seniors who have not been previously enrolled in Union College may not offer any substitute for the 30 hours of required residence work.

5. Candidates for teachers' certificates should note that extension work will not satisfy the requirements for the original issue of a Provisional Elementary Certificate, nor be accepted for more than one-half of the requirements for the renewal of any certificate.

6. Not more than 30 semester hours of extension work will be accepted toward the A.B. degree from Union College unless all of such work has been done under the direction of the Extension Department of Union College, in which case the maximum accepted will be 40 semester hours.

7. All semester hours of credit earned by extension work will be marked "Extension" on the student's record.

Music

MISS ETHEL G. EVERSOLE
MR. CHARLES E. AHLER

This department is open to all who seek instruction in music. It aims to produce musicians and to develop an appreciation of the art. Courses will be given that will assist the student to understand the structure, history and development of music. Under the guidance of trained teachers, it offers opportunity for development in piano, voice, violin, reed and band instruments.

CREDITS

Students may receive credit toward the A.B. degree for the courses completed in the Department of Music to the number of eighteen semester hours. In practical music credit will be given to the number of six hours, and that only if work is done in theory, if the student has not missed more than three lessons, has practiced one hour daily, showing satisfactory work, and has appeared in recitals at the request of the teacher.

A diploma in music will be awarded upon giving a recital at the completion of the work outlined for either voice or piano. In addition the student must have finished the courses in History of Music, Harmony, and Choral Music. If graduating from piano, the student must have done a year's work in accompanying, but if in voice, he must have completed the courses in Public School Music.

COURSES

PIANOFORTE

GRADE I. Practical work in notation, development of the hand, the mastery of simple rhythm; simple technical studies; major scales; hymns; easy pieces.

GRADE II. Further development of technic through major scales in various forms and studies from authors, such as Burgmüller,

Kohler, Czerny. Compositions from Bach, Handel, Schumann and others.

GRADE III. Hanon technical studies, Little Pischua technical studies, minor scales, Sonatinas by Clemente, Kuhlan, Mozart, and Beethoven. Studies from Bach, Heller, Handel, Burgmüller. Easy pieces by classical composers.

GRADE IV. Further study of major and minor scales. Studies by Heller, Wiehmayer, Bertini. Baclio short preludes and fugues; sonatas by Mozart and Haydn. Pieces by Grieg, Godard, Mendelssohn, Schumann and Schubert.

GRADE V. Technical studies continued. Baclis two-part inventions. Beethoven's easier sonatas. Pieces by Chaminade, Grieg, Schubert, Schumann and Chopin.

GRADE VI. Advanced technique. The well-tempered clavichord by Bach. Octave and scale studies. Etudes by Jensen; Impromptus by Schubert; Sonatas by Beethoven. Compositions by modern and classical composers. Two piano numbers.

VOICE

MISS EVERSOLE

The opportunity for voice culture should not be limited to the chosen few who are endowed with a voice. Deep breathing, which is an important part in voice culture, develops the lungs, corrects a bad carriage and makes a healthy body. A course in this department will be most beneficial whether or not one expects to make singing a profession.

Brief Outline for Voice

GRADE I. Breathing exercises, tone placing, blending of registers, development of resonance and diction. Exercises and songs to suit the individual.

GRADE II. Breath control and tone production continued. Concone, Sieber oc Vaccai's Italian School of Singing will be used as a basis for further development. Easy songs from American and classical composers.

GRADE III. Continuation of the technique of Grade II. Famous songs by Krehbiel, and other songs. Easy songs in French.

GRADE IV. Advanced technical studies. Selections from oratorios and operas, songs by Schumann, Schubert, Grieg and others. Arias by Handel, etc.

VIOLIN

MR. AHLER

Violin classes will be given special attention. Work can be secured from the elementary courses that begin with a careful study of position and bowing through the advanced courses.

REED AND BAND INSTRUMENTS

Instruction may be obtained in all band instruments. Courses will be given beginners who have not had previous experience in the rudiments of music or technique of the instrument selected. Advanced work in any of these instruments will be given.

THEORY

THEORY I. Harmony, Ear Training, and Harmony. This course includes the study of the terms used in harmony, the keys, scales, signatures, formation of triads, and part writing in major and minor scales. Ear training will be an important part of each lesson. Keyboard will be begun the latter part of the semester.

One semester, two hours.

THEORY II. Harmony, Ear Training, and Keyboard. This course continues the work begun in Theory I with the addition of original part writing, inversions of the secondary chords, dominant sevenths and ninths in all forms, modulation, and harmonizing at the keyboard. Ear Training is continued.

One semester, two hours.

THEORY III. Harmony and keyboard. Modulation continued, secondary seventh chords, suspensions, passing tones, embellishments, augmented and altered chords.

One semester, two hours.

THEORY IV. Harmonic Analysis. The semester will be spent in analyzing the works of the great masters. Keyboard will be done as is necessary.

PUBLIC SCHOOL MUSIC

A course in methods of teaching public school music for prospective grade teachers; sight reading; song interpretation; elementary methods, etc.

Work with the Victrola, etc., offered in the second semester only. Three hours.

P. S. M. II. A continuation of the work begun in P. S. M. I. Methods are studied more in detail; teaching in class; sight reading and song interpretation continued; a slight study of conducting as applied in the school room.

One semester, two hours.

CHORAL MUSIC

A course preparing the student to conduct choirs and orchestras, and to lead groups in singing. During the *first semester,* the class will become familiar with many songs, and will study the terms relating to music. During the *second semester,* the time will be spent in studying and practicing the art of conducting.

Through the year, two hours.

HISTORY OF MUSIC

The story of musical history from origin to modern times; music of the primitive and alien nations; music and musical instruments of the Bible; great movements in musical history, etc.; development of church music, the opera and oratoria; lives of great composers; modern masters; new tendencies. The work with the Victrola or piano will be an important part of each lesson.

No previous knowledge of music necessary for entrance into this course.

Through the year, two hours.

MUSICAL ORGANIZATIONS

The musical organizations now functioning are the Men's and Women's Glee Clubs and the Male Quartet. These meet weekly for two hours each and appear in public at various occasions. Attendance at practices and at public appearances are required of each member who receives credit. One hour credit is given for a year's work.

The plan is to organize a large chorus, and an orchestra and band, if possible. Prospective students are urged to bring their instruments with them.

Register of Students

DEGREES CONFERRED MAY 29, 1929

Seniors Taking A.B. Degree

Name	*County or State*
Aguilera, Mrs. Bernice	Knox
Chandler, Elizabeth	Bell
Cobb, Mrs. Edith C.	Lawrence
Dye, Mabel	Mason
Engle, Daisy	Laurel
Hubbard, Roy	Knox
Jackson, Marie	Knox
Layman, M. B.	Tennessee
Marcum, William	Laurel
Miracle, Ethel	Harlan
Morgan, Kelly	Clay
Parker, Ruth	Knox
Payne, Ethel	Harlan
Putman, Fred	Pennsylvania
Rader, Ruth	Knox
Robinson, Elmer	Whitley
Robinson, Frances	Knox
Smith, Tip	Clay
Wagers, Floyd	Clay

SENIORS

Bargo, Chester	Knox
Broughton, P. M.	Knox
Burroughs, Mildred	Greenup
Catron, Thomas	Knox
Chestnut, Walter	Laurel
Collett, L. M.	Clay
Colson, Gillis	Clay
✓Faulkner, Rachael	Taylor
Howard, Boyd Davis	Bell
Howard, H. A.	Knox
Knuckles, James F.	Bell
Lawson, Henry	Bell
Lay, Jesse	Knox
Pigg, Wilma	Laurel
Poe, Teddy	Nicholas
Rigsby, Fred	Boyd
Roberts, Sophie	Lawrence
Sharp, Frank	Clay

Name	*County or State*
Spurlock, Estill	Clay
Spurlock, W. H.	Clay
Surgener, Prince	Knox
Wilder, Edna	Laurel

JUNIORS

Ackerman, Frank E.	Arizona
Baker, Geo.	Knox
Baker, Taylor	Clay
Bolton, Mrs. J. R.	Whitley
Bowman, Bernice	Florida
Chestnut, Aubrey	Knox
Congleton, Ruth	Knox
Cox, Howard	Knox
Davis, Chas.	Knox
Davis, Ester	Knox
De Marcus, Claudia	Bell
Dunn, Agnes	Whitley
Engle, Edna	Laurel
Feltner, Mrs. Edith	Knox
Fowler, Anna Fay	Boyle
Frederich, Mary	Knox
Greene, Clyde	Laurel
Helton, Robert	Harlan
Helton, Vina	Knox
Hembree, S. G.	Knox
Hopper, Harry	Knox
Howes, John B.	Greenup
Johnson, Chester	Whitley
Kelly, Sadie	Knox
Knuckles, Wm. Letcher	Bell
Lawson, Carl	Whitley
Lewis, McCoy	Clay
Loveless, Phil	Indiana
Main, Ruth	Knox
Maloney, Wm. T.	Delaware
Marsee, Kenneth	Knox
Marsee, Leila	Knox
Martin, William G.	Knox
Mayhew, Wm.	Knox
Mays, Jesse	Knox
Messer, James	Knox
Mills, Ed	Clay
Neikirk, Clifton	Pulaski
Patrick, Luther	Estill
Parker, Martha	Knox

Name	*County or State*
Root, Lester	Whitley
Shaffer, Mazelle	Arkansas
Slusher, William	Bell
Smith, Carrie	Clay
Smith, Ruth	Whitley
Smith, Garrad	Clay
Spillman, Elizabeth	Whitley
Valentine, L. T.	Knox
Valentine, Rose	Knox
White, Nevil	Kenton
Webb, Ezra	Clay

SOPHOMORES

Amis, Nora Lee	Knox
Asher, Mossie	Bell
Ashley, Velmer	Casey
Bailey, Rufus	Harlan
Ball, Wm.	Lawrence
Baxter, Christine	Lincoln
Beddow, Walter	Knox
Blackburn, Elizabeth	Knox
Bledsoe, Mallie	Clay
Bliss, Effie	Knox
Britton, Sallie	Clay
Bullock, Hazel	Whitley
Burkhart, John	Harlan
Catron, James Fred	Knox
Chestnut, Mrs. Laura	Whitley
Chestnut, Glenn	Knox
Clark, Buford	Whitley
Cole, Fannie	Clay
Culton, Bernadine	Bell
Davidson, Estill	Clay
Dean, Violet	Owsley
Evans, Florence	Knox
Faulkner, Catherine	Knox
Faulkner, Rookh	Knox
Fawbush, Mattie K.	Harlan
Garland, Chas	Knox
Garland, Jas.	Knox
Hensley, Dorothy	Clay
Helton, Weart	Knox
Hensley, Jennie	Clay
Hoskins, Mabel	Bell
Howard, Gertrude	Kansas
Howard, Julia	Bell

Name	*County or State*
Howard, Willis L.	Harlan
Howard, Z. R.	Whitley
Hawn, Catherine	Knox
Hawn, Lewis	Knox
Hubbard, Etta	Clay
Hubbard, Vergie	Clay
Jackson, Rahma	Knox
Jones, Florence	Clay
Kelemen, Stephen, Jr.	Harlan
Ketcham, Angie	Knox
Landreth, Millie	Lewis
Lawson, Jesse	Knox
Mason, Robert L.	Bell
Mays, Cecil	Knox
Mayo, Mary	Knox
McWilliams, Rufus	Knox
Napier, Opha W.	Harlan
Parsons, Curtis	Harlan
Pendleton, Jane	Knox
Reid, Joyce	Knox
Reed, Madison	Clay
Robbins, Juanita	Bell
Robinson, Donna	Knox
Sharp, Audrey E.	Clay
Smallwood, Katie	Clay
Spurlock, Anna D.	Clay
Spurlock, Mrs. W. H.	Clay
Taylor, Harry	Whitley
Terrell, Ida	Whitley
Terrell, Viola	Whitley
Thomas, Juanita	Whitley
Todd, Anna	Knox
Tribell, Maurice	Bell
Tye, Mary	Knox
Valentine, Shellie	Knox
Vincent, Maurice	Knox
Wagers, Evelyn	Clay
Whitis, Alonzo	Clay
Williams, Stella	Knox
Wilson, Howard	Knox
Woolum, Inez	Knox

FRESHMEN

Abner, McKinley	Knox
Adams, Lutie W.	Letcher
Adams, Ollie	Carter

Name	*County or State*
Amis, Cora Mae	Knox
Amis, Mrs. Otis	Knox
Ashley, Stella	Casey
Bailey, Dezzie	Harlan
Baker, Clarence	Michigan
Barbe, Emma	Ohio
Barbe, Lucy	Ohio
Baxter, Willena	Lincoln
Bays, Amy	Knox
Boggs, Pauline	Whitley
Botner, Reid	Knox
Bowling, Ray	Clay
Bowling, Abraham	Clay
Britton, Glades	Knox
Brock, Otto P.	Bell
Buttermore, Willard	Harlan
Buchanan, Marie	Knox
Byrd, James E.	Knox
Campbell, Loyd B.	Bell
Catron, Sadie	Knox
Chandler, Glen M.	Whitley
Chumley, Chas. C.	Harlan
Clay, J. L.	Johnson
Cochran, Onibe	Harlan
Coffey, Willie	Casey
Collett, James R.	Bell
Collett, Mrs. L. M.	Knox
Combs, Clarence R.	Magoffin
Corum, Ruth	Whitley
Creasy, Mae	Knox
Dobson, Edgar	Clay
Epperson, Euphemia	Bell
Evans, Clara	Knox
Faulkner, Nancy	Knox
Feltner, Opal	Leslie
Fields, Chester	Owsley
Frierdich, Earl F.	Campbell
Gabbard, Dan	Bell
Girdner, Bessie	Knox
Goodman, Zelma	Knox
Greene, Ethel M.	Knox
Gregory, James	Knox
Gregory, Mary Pauline	Harlan
Hacker, Ica	Clay
Hale, Lenora	Knox
Hammond, Frank	Knox

Name	*County or State*
Hauser, Edna	Knox
Hayes, Kenneth	Lawrence
Hubbard, W. P.	Knox
Huber, Tiry	Ohio
Hubbard, Daisy	Clay
Hughes, John W.	Knox
Ingram, Willa	Bell
Jones, Mrs. S. H.	Knox
Jordan, Ethel M.	Knox
King, Marola	Bell
Knuckles, Cleo	Bell
Lundy, W. R.	Knox
Lewis, Gordon Edwin	Laurel
Lewis, Maggie	Laurel
Marshall, Effie M.	Bell
Mayhew, Mae	Knox
Messer, Walter	Knox
Mealer, June	Knox
Miller, Louella	Knox
Miller, Milton	Virginia
Mitchell, Johnny	Harlan
Morehead, Marvin	Knox
Morehead, Nevil D.	Knox
McWilliams, W. R.	Knox
McLachlan, Hugh D.	Michigan
Nash, Travis L.	Oklahoma
Nelson, Jeanna	Madison
O'Kelly, Ruth M.	Arkansas
Parman, Mary D.	Laurel
Parsons, Mrs. Estle	Knox
Patterson, Loyd	Greenup
Poff, Alma	Knox
Quinton, Hilda	Casey
Rawlings, Stella	Clay
Rice, Jesse	Bell
Rodgers, Virginia	Whitley
Smith, Alta	Knox
Smith, Nathaniel	Bell
Spurlock, Alice	Clay
Sowder, Mary	Knox
Sproule, Evelyn	Knox
Spurlock, Nannie B.	Clay
Steele, Chas. R.	Harlan
Steele, Chas. K.	Knox
Stewart, Nancy	Bell
Stewart, Ollie	Bell

Name	*County or State*
Stewart, Rosa L.	Bell
Thompson, Millard	Knox
Theadway, Prudy	Knox
Tuggle, Margaret	Knox
Tye, Geo. Lyttle	Knox
Tye, Goldie	Knox
Tye, James Gorman	Knox
Tye, James Wm.	Harlan
Wagers, Earl	Clay
Walton, Elsie	Knox
Walters, Jan	Clay
Wesley, Esther	Casey
White, Hazel M.	Harlan
White, Reginald	Knox
Wilson, Daniel	Bell
Wilson, Mae	Owsley
Wilson, Marie	Knox
Williams, Willie	Harlan
Withrow, Ellen	Bell
Young, Evelyn	Whitley

ACADEMY

Alford, Carrie	Knox
Barlow, Mrs. Dora	Bell
Bingham, Dora	Knox
Bryant, Alvis	Knox
Buchanan, Geo. N.	Knox
Carnes, Kitty	Knox
Carter, Nannie L.	Harlan
Corey, Sallie	Knox
Cox, Cephus	Knox
Collett, Hazel	Knox
Elliot, Herman	Knox
Faulkner, Carrie	Knox
Ferguson, Margaret	Knox
Garland, Rose	Knox
Greene, Clarence	Bell
Greene, Juanita	Bell
Greene, Orbin	Bell
Greene, W. A.	Bell
Hammons, Cleo	Knox
Hammons, Lillian	Knox
Harris, Evelyn	Knox
Helton, Eva	Knox
Hembree, Hazel	Knox
Hopper, Mary	Knox

Name	*County or State*
Hopper, Maude	Knox
Ingram, Maude	Bell
Lay, Chas. L.	Knox
Jones, Bessie	Knox
Jones, Elva Loretta	Knox
Jump, Dorthy	Knox
Mackey, Maude	Knox
McGaffee, Ruby	Bell
Martin, Mary Baker	Knox
Martin, Mattie	Knox
Martin, Stanley	Knox
Martin, Mrs. W. G.	Knox
Mason, Nelson	Bell
Mays, Everett G.	Knox
Mays, Reavus	Knox
Miller, Effie	Bell
Messer, Nebraska	Knox
Mills, H. C.	Knox
Miller, Reno	Knox
Payne, Cleadith	Knox
Petrey, Mary E.	Lincoln
Philpot, Delbert	Knox
Quinn, Mrs. Nina	Knox
Roberts, Hester	Knox
Renfro, Mary	Knox
Reynolds, James L.	Knox
Richardson, Glenn	Bell
Shelton, Pauline	Knox
Sears, Bertha	Knox
Smith, Borden	Knox
Smith, Henerietta	Harlan
Sowders, Georgia	Knox
Sowders, Wm. D.	Knox
Taylor, Lillie Mae	Bell
Thompson, James H.	Bell
Trosper, Donnie	Knox
Turner, H. Delmas	Knox
Valentine, Virginia	Knox
Warfield, Chas. A.	Knox
Webb, Albert P.	Bell
Wells, Martha	Knox
Williamson, Axie A.	Knox
Williamson, Ethel	Knox
Williamson, George	Knox
Williamson, Irene	Knox

EXTENSION

Name	*County or State*
Adams, Bertha	Whitley
Asher, Mossie	Bell
Baker, J. R.	Laurel
Barnett, Thelma	Laurel
Bryant, Mabel	Laurel
Bullock, Hazel	Whitley
Caton, Mrs. M.	Bell
Chatfield, G.	Whitley
Cole, Margaret	Whitley
DeMarcus, Claudia	Bell
Dillion, Jane	Laurel
Estes, T.	Laurel
Green, Mollye	Bell
Hearne, Mrs. J. D.	Whitley
Hearne, J. D.	Whitley
Howard, Ora	Bell
Johnson, C. A.	Whitley
Johnson, Grace	Bell
Johnson, Virginia	Whitley
Johnson, Mrs. L. Y.	Laurel
Johnson, Hazel S.	Laurel
Jones, Bertie	Laurel
Lewis, Gordon	Laurel
Marshall, Effie	Bell
Morgan, T. G.	Whitley
Parman, Maggie	Laurel
Reams, John B.	Laurel
Rice, Jesse	Bell
Smith, Anna Mae	Bell
Smith, G. D.	Whitley
Smith, Blanche	Whitley
Storm, Earl	Laurel
Taylor, Arliss	Whitley
Taylor, Chas.	Bell
Terrell, Amanda	Whitley
Thomas, Dora	Laurel
Tollent, Bernard	Whitley
Treadway, J. E.	Laurel
Underwood, Florence	Laurel
Walker, Lela	Whitley
Wilkinson, Lillian	Bell
Wilson, Ollie James	Bell
Young Charlotte	Whitley
Young, Pearl	Laurel

SUMMER SESSION 1929 (College)

Name	*County or State*
Abner, McKinley	Knox
Allen, Euna	Whitley
Alsip, Joe M.	Whitley
Amis, Nora Lee	Knox
Andress, Eunice	Whitley
Ashley, Velmer C.	Casey
Bain, Ruby	Knox
Bargo, Chester A.	Knox
Baxter, Christine	Lincoln
Birch, May M.	Bell
Blackburn, Elizabeth	Knox
Bliss, Effie Ruth	Knox
Boggs, Pauline	Whitley
Bowman, Bernice	Fla.
Broughton, P. M.	Knox
Buchanan, L. W.	Knox
Bullock, Hazel	Whitley
Burroughs, Mildred	Greenup
Chesnut, Aubrey	Knox
Chesnut, Walter	Laurel
Chestnut, Mrs. Laura	Laurel
Cobb, Daniel	Knox
Cobb, Mrs. E. G.	Knox
Cole, Margaret	Laurel
Cox, Howard	Knox
Davies, Ellen	Knox
Dunn, Agnes	Whitley
Epperson, Marvin	Knox
Evans, Nell	Whitley
Evans, W. W.	Knox
Faulkner, Catherine	Knox
Faulkner, Mary H.	Knox
Foley, Myrtle	Knox
Garland, Chas.	Knox
Goodin, Martha B.	Knox
Greene, Mollye	Bell
Hammons, Jeff	Knox
Hearne, J. D.	Whitley
Helton, Robert	Bell
Helton, Weart	Knox
Hembree, S. G.	Knox
Hensley, Mary Edna	Knox
Howard, Boyd D.	Bell
Howard, Etta Elizabeth	Knox

Name	*County or State*
Howard, Durham	Bell
Howard, Julia	Bell
Howard, Nora K.	Harlan
Howard, H. A.	Knox
Hubbard, Roy	Knox
Jarvis, Myrtle	Knox
Johnson, Bessie	Bell
Johnson, David C.	Harlan
Johnson, Grace W.	Bell
Knuckles, Lou Anna	Bell
Knuckles, Mrs. W. L.	Bell
Knuckles, W. L.	Bell
Lay, Jesse D.	Knox
Lawson, Jesse	Knox
Lawson, Henry	Bell
Main, Lucille Wallace	Knox
Maloney, Wm. T.	Delaware
Marsee, Leila	Knox
Marshall, Effie	Bell
Marshall, Vola	Harlan
Mauney, Beulah	Whitley
Mays, Cecil	Knox
Mays, Shelvy	Knox
Messer, James	Knox
Miller, Flonnie H.	Pulaski
Minter, Hampton F.	Jackson
Mitchell, Amanda	Knox
Morgan, Taylor G.	Laurel
McClure, Irene	Knox
McDonald, Roberta	Bell
McNeil, John	Bell
McWilliams, Wm. R.	Knox
Oaks, Fontella	Bell
Parker, Martha	Knox
Parson, Curtis	Harlan
Payne, Myrtle	Harlan
Payne, Sadie	Harlan
Pearl, Helen	Bell
Pendleton, Ruth Jane	Knox
Peters, Alice	Whitley
Pope, Lovella	Knox
Putnam, Fred	Pennsylvania
Powell, Mintie J.	Harlan
Pigg, Wilma L.	Laurel
Quinton, Hilda	Casey
Ramsey, Ora	Knox

Name	*County or State*
Richardson, Mary	Knox
Rigsby, Fred E.	Boyd
Roaden, Ova G.	Whitley
Roberts, Eunice	Clay
Robinson, Frances	Knox
Sewell, Cledith	Bell
Shifley, E. M.	Knox
Smith, Tip	Clay
Sproule, Evelyn	Knox
Spurlock, W. H.	Clay
Surgener, Prince	Knox
Taylor, Arliss	Whitley
Terrell, Amanda	Whitley
Terrell, Lucie	Whitley
Thompson, Mrs. C. M.	Knox
Tribell, Maurice L.	Bell
Trosper, Margaret L.	Whitley
Turner, Clifford G.	Bell
Tye, Mary	Knox
Tye, Roberta Sears	Knox
Vincent, Maurice	Knox
Wagers, Floyd	Clay
Wagers, Myrtle	Clay
Walker, Martha June	Knox
Warren, Yerkes	Knox
Williams, Clyde	Knox
Wilson, C. S.	Whitley
Wilson, Gertrude E.	Knox
Williams, Stella	Knox
Withrow, Beatrice	Bell
Woolum, Eunice	Knox
Woolum, Inez	Knox
York, Altas Hercules	Knox

ACADEMY, SUMMER SESSION 1929

Alsip, Gladys	Whitley
Bailey, Dezzie	Harlan
Barker, John E.	Knox
Bingham, Dora	Knox
Bryant, Alvis	Knox
Buchanan, Geo.	Knox
Buchanan, Marie	Knox
Carnes, Alice	Knox
Catron, Sadie	Knox

Name	*County or State*
Corey, Sallie	Knox
Donaldson, Beatrice	Knox
Dunn, Cleo	Whitley
Eastridge, Winnie	Knox
Foley, Dorothy	Whitley
Foley, Eunice	Knox
Fuson, Cora	Bell
Garland, Rose	Knox
Grant, Estle	Knox
Greene, W. A.	Harlan
Hammons, Cleo	Knox
Hammons, Frank	Knox
Hampton, James B.	Knox
Hampton, Ruth	Knox
Harris, Evelyn	Knox
Helton, Hubert	Knox
Helton, Eva	Knox
Hinkle, Arthur	Knox
Hubbard, W. P.	Knox
Jackson, Blanche	Knox
Knuckles, M. F.	Bell
Lock, Gertrude	Bell
Lovins, Helena	Whitley
Mackey, Maude	Knox
Mays, E. G.	Knox
Mays, Reavus	Knox
Messer, Mattie	Knox
Messer, Walter	Knox
Miller, Effie Lee	Bell
Miller, Reno	Knox
McNeil, Cecil	Bell
Parker, Delbert	Knox
Patterson, Axie	Knox
Payne, Cledith	Knox
Renfro, Mary	Knox
Reynolds, James	Knox
Rogers, Margaret	Warren
Siler, Mildred	Whitley
Slusher, Virginia	Bell
Southard, Elizabeth	Knox
Sowders, Mary	Knox
Stanberry, Lena	Laurel
Stanberry, Myrtle	Laurel
Taylor, Clyde	Barren
Taylor, Gladys	Knox
Taylor, Mrs. L. R.	Bell

Name	*County or State*
Thompson, J. T.	Bell
Thompson, Mrs. J. T.	Bell
Turner, H. Delmas	Knox
Warfield, Charles	Knox
Warfield, Ruby	Knox
Wells, Martha	Knox
Wells, Ruth	Knox
Williamson, Axie	Knox
Wilson, Lenora	Bell
Wilson, Myrtle	Knox

SPECIAL

Caton, Florence J.	Knox
Evans, W. W.	Knox
Fish, Reeda	Pulaski
Johnson, Rev. D. C.	Harlan
Morris, Emma	Knox
Roberts, Mrs. Iola	Knox
Robinson, Frances	Knox
Shifley, Mrs. E. M.	Knox
Tye, Roberta S.	Knox

Summary of Enrollment

COLLEGE 1929-30

	First Semester			Second Semester		
	Men	*Women*	*Total*	*Men*	*Women*	*Total*
Freshmen	28	36	64	42	68	110
Sophomores ...	14	25	39	27	44	71
Juniors	22	11	33	30	13	43
Seniors	6	2	8	15	5	20
Special	2	3	5	1	4	5
			149			249

ACADEMY 1929-30

First Semester			Second Semester		
Men	*Women*	*Total*	*Men*	*Women*	*Total*
13	22	35	26	43	69

COLLEGE SUMMER SCHOOL 1929

Men	*Women*	*Total*
48	77	125

ACADEMY SUMMER SCHOOL 1929

Men	*Women*	*Total*
21	45	66

COLLEGE EXTENSION SUMMER SCHOOL 1929

First Session			Second Session		
Men	*Women*	*Total*	*Men*	*Women*	*Total*
44	57	101	22	23	45

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VOL. [illegible], NUMBER 1 JUNE, 1931

Union College

Bulletin of Information

ANNUAL CATALOGUE
1931-1932

PUBLISHED MONTHLY BY
Union College
Barbourville, Ky.
Entered as second class matter at post office at
Barbourville, Ky.
Under Act of Congress, August 24, 1912

ACCREDITMENT

Union College is a member of the Association of Colleges and Universities of Kentucky. It is officially approved by the State Department of Education of Kentucky and by the University of Kentucky as a Class "A" Senior College.

The Gymnasium

VOL. X., NUMBER 1

JUNE, 1931

Union College

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Calendar 1931

JANUARY						
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CALENDAR FOR THE COLLEGE YEAR

1931

SUMMER SESSION

June 1, Monday—First Summer Term begins.
July 4, Saturday—First Summer Term ends.
July 6, Monday—Second Summer Term begins.
August 8, Saturday—Second Summer Term ends.

FIRST SEMESTER

September 10, 11, 12—Thursday, Friday, Saturday—Freshmen Instruction and Registration.
September 14, Monday—Registration for Sophomores, Juniors, and Seniors.
September 15, Tuesday—Class Work begins.
November 9, Monday—Mid-Semester Examinations begin.
November 26, Thursday—Thanksgiving Day—Holiday.
December 19, Saturday—Christmas Vacation begins at 12 M.

1932

January 4, Monday—Recitations Resumed at 8 A. M.
January 28, 29, 30—First Semester Examinations.

SECOND SEMESTER

February 1, Monday—Second Semester begins.
February 23, Tuesday—Semi-Annual Meeting of Board of Trustees.
March 28, Monday—Mid-Semester Examinations begin.
April 1, Friday—3:40 P. M., Spring Vacation begins.
April 5, Tuesday—Recitations Resumed at 8:00 A. M.
May 27-31—Second Semester Examinations.
May 29, Sunday—Baccalaureate Sermon.
May 31, Tuesday—The Fifty-third Commencement, 10:30 A. M.

SUMMER SESSION

June 6, Monday—First Term begins.

BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

Bishop H. Lester Smith .....Chattanooga, Tenn.
President John Owen Gross .....Barbourville, Ky.

CLASS No. 1—TERM EXPIRES IN 1931

Rev. W. W. Shepherd .....Louisa, Ky.
*Jakie Howard .....Pineville, Ky.
Hon. Alvis S. Bennett .....Hartford, Ky.

CLASS No. 2—TERM EXPIRES IN 1932

Rev. C. E. Vogel .....Harlan, Ky.
A. S. Morgan .....Russell, Ky.
Rev. John W. Potter .....Oskaloosa, Iowa

CLASS NO. 3—TERM EXPIRES IN 1933

Rev. S. C. Rice .....Bellevue, Ky.
Hon. James D. Black .....Barbourville, Ky.
*Henry Payne .....Grays, Ky.

CLASS NO. 4—TERM EXPIRES IN 1934

Rev. J. R. Wood .....Maysville, Ky.
A. M. Decker .....Barbourville, Ky.

CLASS NO. 5—TERM EXPIRES IN 1935

A. B. Cornett .....Harlan, Ky.
Rev. E. P. Hall .....Ashland, Ky.
Rev. John L. Tilton .....Louisville, Ky.

CLASS NO. 6—TERM EXPIRES IN 1936

C. B. Nordeman .....Louisville, Ky.
Harry E. Bullock .....Lexington, Ky.
Rev. E. R. Overley .....Louisville, Ky.

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*Alumni Representatives

OFFICERS OF BOARD OF TRUSTEES

C. B. Nordeman, *President* .....Louisville, Ky.

Rev. E. P. Hall, *Vice President* .....Ashland, Ky.

Hon. Alvis S. Bennett, *Secretary* .....Hartford, Ky.

James F. Blair, *Treasurer* .....Barbourville, Ky.

COMMITTEES

Endowment Committee

Harry E. Bullock
James D. Black
Alvis S. Bennett
E. P. Hall

Executive Committee

President John Owen Gross
A. M. Decker
James D. Black
Jakie Howard
C. E. Vogel

Development Committee

Bishop H. Lester Smith
C. B. Nordeman
President John Owen Gross
John W. Potter
Harry E. Bullock

Buildings and Grounds

A. M. Decker
James D. Black
C. E. Vogel
A. B. Cornett
Henry E. Payne

Education Committee

Bishop H. Lester Smith
S. C. Rice
Jakie Howard
J. Ralph Wood
Henry E. Payne

Finance Committee

Alvis S. Bennett
S. C. Rice
President John Owen Gross
C. B. Nordeman
E. R. Overley
W. W. Shepherd
A. S. Morgan
John L. Tilton

ADMINISTRATIVE OFFICERS

John Owen Gross
President

Maurice F. Seay
Dean of the College and Registrar

Miss Claribel R. Eaton
Dean of Women

Mrs. Arva Stackhouse
Librarian

John Lowe Fort
Assistant to the President Supervising Finance

James F. Blair
Treasurer and Business Manager

Miss Christine M. Dux
Secretary to the President

Mrs. Maurice F. Seay
Secretary to the Dean

F. J. Foote
Plant Manager

THE FACULTY

JOHN OWEN GROSS, S. T. B., D. D.
President

Acting Francis Landrum Memorial Professor of Bible and Moral Philosophy and Head of the Department of of Bible and Moral Philosophy.

A. B. Asbury College, 1918; S. T. B., Boston University, 1921; other graduate study: one quarter, University of Cincinnati, 1929; one six weeks summer term, University of Kentucky, 1929; D. D. Asbury College, 1930.

MAURICE F. SEAY, A. B., A. M.
Dean of the College.

Professor of Education and Head of the Department of Education.

A. B. Transylvania College, 1924; A. M., ibid., 1926; other graduate study: one quarter, University of Kentucky, summer 1929; five quarters, University of Chicago, summers 1926, 1927, 1930, and the year 1929-1930.

ABIGAIL E. WEEKS, A. B., A. M.

Professor of English Literature and Head of the Department of English.

A. B., Dickinson College, 1905; A. M., Columbia University, 1920; other graduate study: fourteen weeks, State College of Pennsylvania.

I. B. PEAVY, M. E., M. Pd., M. S.

Professor of Biology and Head of the Department of Natural Science.

B. E., Edinboro State Normal School, 1891; M. E., ibid., 1893; M. Pd., ibid., 1904; M. S., Taylor University, 1908.

ARTHUR M. HYDE, A. M., Ph. D.

Professor of History and Head of the Department of History

A. B., Yale University, 1889; A. M., ibid 1894; Ph. D., University of Illinois , 1927.

WAYNE T. GRAY, B. S., A. M.

Professor of Economics and Sociology and Head of the Department of Social Science.

B. S., University of Nebraska, 1922; A. M., University of Wisconsin, 1928: other graduate study: 1928-1929, nine weeks summer school 1929, 1929-1930, University of Wisconsin.

NANCY MYERS, A. B., A. M.

Professor of French and Head of the Department of French.

A. B., Berea College, 1913; A. M., Columbia University, 1923; other graduate study: eight weeks summer term, University of Besancon, France, 1921; six weeks summer term, Sorbonne, Paris, France, 1926; Diplome de professeur de francais, University of Toulouse, 1925-1926; seven weeks summer term, Middlebury College, 1930.

EARL F. OGG, A. M., Ph. D.

Professor of Chemistry and Head of the Department of Physical Science.

A. B., Carleton College, 1923; A. M., University of Wisconsin, 1927; Ph. D., University of Minnesota, 1930.

J. R. BACON, A. B.

Professor of Physical Education and Head of the Department of Physical Education.

A. B., Kentucky Wesleyan, 1926; graduate study: six weeks summer term, University of Kentucky, 1928; six weeks summer term, University of Iowa, 1929.

MEREDITH G. CARPENTER, A. M., A. M.

Associate Professor of Education and Director of College Extension.

A. B., Western Kentucky State Teachers College, 1924; A. M., Columbia University, 1929.

ROY L. RUTH, Th. B., S. T. M.

Associate Professor of Bible and Moral Philosophy.

A. B., Asbury College, 1926; Th. B., Lane Seminary, 1929; S. T. M., Pacific School of Religion, 1930.

MRS. ARVA STACKHOUSE, A. B., A. M.

Librarian

A. B., Franklin College, 1918; University of South Carolina, 1924-1925; University of North Carolina, Summers 1927, 1929; Duke University, Summer 1928; A. M. ibid., 1929; Columbia University, Summer 1930.

GEOROGIA M. HASWELL, A. B.

Instructor in Mathematics.

A. B., Ohio Wesleyan, 1926; graduate study: Ohio Wesleyan, 1929-1930; two quarters, Ohio State University, 1929- 1930.

ETHEL G. EVERSOLE, B. S. M.

Instructor in Piano and Voice.

B. S. M., Oberlin Conservatory of Music.

CLARIBEL R. EATON, A. B.

Dean of Women

Instructor in English.

A. B., American University, 1929; graduate study: George Washington University, 1929-1930 and summer 1930.

HISTORY OF UNION COLLEGE

Union College was founded in 1879 by a group of progressive citizens of Barbourville. They formed a stock company and by donation secured the main part of the present campus. In 1880 the first building was formally opened on the site of the present Administration Building. Mr. A. H. Harriett, who was instrumental in the organization of the school, was its first Principal. The local group soon discovered that the debt for the new building was too great for them to carry, and accordingly, in 1886 the buildings and property were ordered sold by the court. The Rev. Daniel Stevenson, the President of Augusta Collegiate Institute at Augusta, Kentucky, was then looking for a new location to establish a college. He became interested in Union College, and in 1886 purchased the property for the Board of Education, Kentucky Conference, Methodist Episcopal Church. He became the first President under the new management and during his term was instrumental in enlisting the friendship of Mrs. Fanny Speed, who later left the College a legacy that guaranteed its permanence.

Dr. Stevenson ranks as one of Kentucky's foremost educators. He was graduated from Transylvania University when Dr. Henry Bascom was its President. As a member of the Kentucky Conference, Methodist Episcopal Church, South, he was one of the leaders that helped in founding Kentucky Wesleyan College, Winchester, Ky. In 1863 he was elected the first full-time superintendent of public instruction in Kentucky and exercised a wide influence in popularizing public education throughout the state. He brought this mature experience to Union College and placed its objectives in clear view.

Upon the death of President Stevenson, the Reverend James P. Faulkner, a member of the first graduating class of Union College, was elected to succeed him. During the administration of President Faulkner the college came into possession of the bequest of Mrs. Fanny Speed, and from that time the expansion was marked. During the same administration Fanny Speed Hall and the Central Heating Plant were planned and the work on the buildings was begun. These bulidings were not available for use, however, until the beginning of the next administration, that of Reverend James W. Easley, B. D., A. M., whose term of office began in 1905. The coming of the elective system and the broadening of the curriculum made a college program seem like an impossible task to those in charge. The college department was therefore discontinued in 1908, and for several years the institution was maintained only as an academy and

an elementary school. During the summer of 1906 the Administration Building was struck by lightning and burned. One year later it was replaced and Stevenson Hall, home for men, was also erected.

Upon the resignation of President Easley in 1910, the Hon. James D. Black, LL. D., of Barbourville, later. Governor of Kentucky, became the fourth President of Union College. The two years of President Black's connection with the school are remembered as years of substantial growth.

For the next three years the school was under the leadership of President Percy L. Ports, who for several years had been Professor of Natural Science. He was followed by the Rev. E. R. Overley, who served as Acting President. This was the period in which the nature of the work that Union College should do in the future was being determined.

In 1915 the Board of Education of the Methodist Episcopal Church, through its corresponding secretary, Dr. Thomas Nicholson, now one of the Bishops of the Church, became interested in Union College and assisted the Board of Education of the Kentucky Conference in planning for its future. The Rev. Ezra T. Franklin, elected president in the same year, worked in close cooperation with the Board of Education of the Methodist Episcopal Church and soon formulated a far-reaching and practical program. In 1919 the Memorial Gymnasium was built; in 1925 a home for the President was completed. A development program, inaugurated in 1921, helped to provide these improvements and materially aided in increasing the invested funds of the college. This financial campaign, together with the bequest of Mrs. Obed H. Wilson in 1927, of $50,000., for the establishing of a professorship known as the "Francis Landrum Professor of Ethics and Moral Conduct," and the increase in the value of endowment holdings, have lifted the invested securities to approximately $460,000. Under the administration of President Franklin, the college course was restored, and in 1927 the University of Kentucky gave Union College the rating of a Standard Four-year College of A Grade. Since then Union has been admitted to membership in the Association of Colleges and Universities of Kentucky.

President Franklin severed his relationship with Union College November 15, 1928, to become President of Southwestern College, Winfield, Kansas. He was succeeded on February 1, 1929, by the Reverend John Owen Gross.

LOCATION

Union College is located in Barbourville, the county seat of Knox County, Kentucky, near the southeastern corner of the

state. It is within thirty-five miles of the corner stone of three states, Kentucky, Virginia and Tennessee. Barbourville is a town of about 2,500 population, located in a broad valley at the confluence of Richland Creek and the Cumberland River. It is surrounded by low hills of the Cumberland Mountain range. The town has such modern conveniences as natural gas, water works, electric lights, and paved streets. There are Baptist, Disciple, Methodist, and Presbyterian Churches, and a fully accredited public school. Barbourville is located on U. S. Highway 25 E. Busses that make connections with points north and south pass through the town hourly. It is also on the Cumberland Valley Division of the Louisville and Nashville Railroad.

AIM AND PURPOSE

The constitution of Union College provides that it shall "devote its effort to the interest of Christian Education and to qualifying and equipping men and women to engage creditably in the various employments, callings, and avocations of peaceful and progressive society and to discharge honorably and usefully the various duties of life." The college is under the direction and control of the Kentucky Conference of the Methodist Episcopal Church. While this is true, it is not a sectarian school, but is endeavoring to render a service not only to its constituency in the Kentucky Conference, but also to the young people of the mountain territory in which it is located. Union College endeavors to maintain a Christian atmosphere by securing for its faculty those persons who can accept, heartily and without reserve, the ideals for which the school stands. In its daily chapel exercises and special religious meetings it emphasizes the importance of accepting Christ as a Personal Redeemer, Constant Guide, and Inspiring Ideal.

BUILDINGS

ADMINISTRATION BUILDING.—This building was erected in 1907 on the site of the one that was burned in 1906. It is a two-story, brick, trimmed with Tennessee marble, and contains the various class rooms and laboratories, the library and reading room, the chapel, and administrative offices. The ground floor has the kitchen and dining hall.

SPEED HALL.—Is a three-story, homelike building for young women. On the first floor there is a large parlor, an apartment for the Dean of Women and House Mother, a sewing room, and a laundry. It is heated with steam, has electric lights, gas, and running water.

STEVENSON HALL.—The dormitory for men, is a two-story brick building of colonial design. The rooms accommodate two students each. Some of the rooms have running water.

MEMORIAL GYMNASIUM.—This building was erected in 1919 as a Memorial to the Soldiers and Sailors of the World War. It contains a regulation basketball court, sanitary swimming pool, showers, lockers, and dressing rooms.

PRESIDENT'S HOME.—This is a beautiful two and a half story, brick building.

CAMPUS COTTAGE.—This, the oldest building on the campus, a frame cottage of six rooms, was erected and occupied by Dr. Stevenson during his Presidency.

CENTRAL HEATING PLANT.—All the buildings are steam-heated from this central plant.

CAMPUS

Union College is proud of its beautiful campus. The buildings, connected by cement walks, are attractively placed among some twenty different varieties of native trees. The athletic field, lying immediately back of the gymnasium, containing about four acres, affords ample room for football and other outdoor games. There are also five hard clay tennis courts.

LIBRARY

The library occupies three rooms in the Administration Building, including the reading room and two stack rooms. There are approximately 12,000 volumes. The books are classified according to the Dewey Decimal System, and indexed according to the rules of the Library of Congress. The library has been increased during the past four years through the purchase of new books and the gifts of books from many friends.

LABORATORY EQUIPMENT

BIOLOGICAL LABORATORY.—The Department of Biology occupies a large room on the second floor of the Administration Building. Accommodations are provided for about forty students. The equipment consists of standard dissecting sets, magnifying glasses, compound microscopes, etc.

CHEMISTRY.—A well lighted and well ventilated chemistry laboratory is provided with accommodations for seventy-two students at standard desks equipped with running water and natural gas. Distilled water is provided by a gas still. Three high grade analytical balances are provided for work in quantitative analysis. The stock rooms are amply supplied with apparatus and chemicals for all the courses offered.

PHYSICS.—The equipment includes the standard apparatus necessary to meet the requirements of a general college course. Included in the special equipment may be mentioned an Ingersol Eye Model, Anco Color Mixer, Knipps Alpha Ray Track Apparatus, and a Nelson Vacuum Pump.

GENERAL REGULATIONS

STUDENT CONDUCT.—Each student is expected to conduct himself at all times according to the rules of good society. Restrictions and regulations have been reduced to a minimum and these are intended to foster standards and ideals that emphasize the development of Christian character. Only young people who can work in harmony with the aim and purpose of Union College should apply for admission. In fact, students who are careless in conduct or wasteful of time and opportunity may be dismissed from the College.

SOCIAL LIFE.—The students are encouraged to accept every legitimate opportunity to engage in social affairs. The faculty appreciates the benefit and value growing out of well directed social activity. Student organizations, the faculty, and local churches make desirable contributions for the promotion of social life. All social functions, hikes, and picnics are chaperoned and subject to the rules and regulations of the College. Chaperones must be approved by the Dean of Women.

Residents of Speed Hall are allowed to receive visitors in the parlor by the permission of the Dean of Women, who may require the written consent of the parents whenever she may deem necessary. Times for social privileges and events are designated.

TOBACCO.—Students are forbidden to use tobacco on the campus of Union College.

CHAPEL ATTENDANCE.—All students are required to attend the regular chapel exercises of the College.

RELIGIOUS SERVICES.—Each student is expected to attend the church school and services of the church of his choice. It is also expected that students will attend the religious services under the direction of the College.

STUDENT ORGANIZATIONS

PLAY LIKERS.—A club devoted to the study of drama. It meets weekly and is open to all who have an interest in dramatics.

OXFORD CLUB.—An organization of the young men who are anticipating the ministry as their life work.

LIFE SERVICE CLUB.—This is for the students who are anticipating some service vocation for their life work.

Y. M. C. A. AND Y. W. C. A.—These are branches of the state organizations.

"U" CLUB.—This organization is for the athletes who have won letters on some varsity team.

GLEE CLUBS.—Separate clubs are maintained for men and women. They are open to all who are interested in vocal music.

PUBLICATIONS

UNION COLLEGE BULLETIN.—An official monthly bulletin, the April issue of which is the catalogue number. This bulletin is sent free on request.

ORANGE AND BLACK.—This periodical, established in 1921, is a bi-weekly newspaper published by the students.

STESPEAN.—This year book, first issued in 1920, is published during early summer by the students of the college under junior editorship.

ATHLETICS

Union College conducts its athletics on a high ethical plane. Union has good teams and every year plays the leading colleges of our state and Tennessee in football, basket ball and tennis.

FORENSICS

Teams are organized for debating. The work is under the direction of the instructor in public speaking. An annual oratorical contest will be instituted during this current year.

PUBLIC MEETINGS

LYCEUM COURSES.—The college provides a course of entertainments during the year. These programs, furnished by a lyceum bureau, are scattered through both semesters.

LECTURES.—Occasional lectures are given by prominent visitors. There is no class scheduled on Tuesdays for the period after chapel and special speakers are invited for addresses on that day. During the year two ministers of wide experience with young

people spend a week in special religious services. Some of the speakers who have addressed the students this past year are:

Bishop H. Lester Smith, D. D., LL. D., Chattanooga, Tenn.
Bishop Edgar Blake, D. D., LL. D., Indianapolis, Ind.
Hon. James D. Black, Ex-Governor of Kentucky.
Hon. F. D. Sampson, Governor of Kentucky.
President H. Robinson Shipherd, Ph. D., Lincoln Memorial University.
President Earl E. Harper, D. D., Evansville College, Evansville, Ind.
Dean W. S. Taylor, Ph. D., University of Kentucky, Lexington, Ky.
Dean W. D. Funkhouser, Ph. D., University of Kentucky, Lexington, Ky.
Dean L. P. Pechstein, Ph. D., University of Cincinnati, Cincinnati, O.
Prof. Jesse Adams, Ph. D., University of Kentucky, Lexington, Ky.
Prof. Clifford Moore, Ph. D., Cornell University, Ithaca, New York.
Mr. D. Stewart Patterson, Washington, D. C.
Mr. Walter Smith, County Attorney, Bell County, Pineville, Ky.
Mr. R. D. Smith, Master of Trains, L. & N. R. R., Corbin, Ky.
Rev. Charles W. Brashares, D. D., Dayton, Ohio.
Rev. L. C. Kelley, D. D., Pineville, Ky.
Rev. A. H. Doak, Middlesboro, Ky.
Rev. T. T. Brumbaugh, Tokio, Japan
Supt. J. W. Bradner, President, Kentucky Educational Association, Middlesboro, Ky.
Supt. John A. Dotson, Benham, Ky.
Rev. Worth S. Peters, Barbourville, Ky.
Rev. C. M. Thompson, Jr., D. D., Barbourville, Ky.
Rev. James. T. McGarvey, Barbourville, Ky.
Miss Charlotte Illingworth, Rangoon, Burma.
Rev. Charles Summers, Lexington, Ky.

EXPENSES

Union College is operated very economically and the expenses are reduced to a minimum. However, what a student pays represents but about one-third of the cost entailed for his education. The difference must be procured from the invested resources of the College. The low charges enable young people to secure an education who could not do so if they were compelled to pay the entire expense. In order to keep the atmosphere democratic and congenial, Union College requests parents to furnish only a limited amount of spending money. It also desires simplicity and modesty in dress.

FEES

TUITION.—The college year, extending over thirty-six weeks, is divided into semesters of approximately eighteen weeks each.

Tuition for semester.....$50.00

Less than ten hours will be charged for at the rate of $4.00 an hour.

LABORATORY.—Laboratory fees to cover cost of materials used and wear on apparatus are charged in connection with courses in Natural and Physical Science as follows:

Chemistry 151-152 .....$4.00 a semester
Breakage fee (unused portion refunded) .....$2.00 a semester
Chemistry 211, 231, 233, 251, 262 .....$6.00 a semester
Breakage fee (unused portion refunded) .....$2.00 a semester
Physics .....$3.00 a semester
Biology, 141-42, 241, 242, 244, 341, 342, 441, 442 .....$3.00 a semester

MUSIC.—Charges for private lessons in Piano, Voice, Violin, or other orchestra instruments will be as follows: For one semester of eighteen weeks:

Two half-hour lessons a week $30.00
One half-hour lesson a week $18.00

High school or grade school pupils in Barbourville may take the junior course in Piano at the following rates:
For one semester of eighteen weeks, two quarter-hour lessons a week $10.00
Practice pianos may be rented at $4.50 each semester.

SPECIAL EXAMINATIONS.—Each $1.00

No late registration fee is charged, but students who enter one week after the semester begins must make up the work and take special examinations.

DIPLOMA FEE.—Due on May 1 .....$5.00

STUDENT ACTIVITY FEE.—The funds for the support of student activities are collected through the college office in two semester payments of $8.00 each. These have been appropriated as follows: athletic fee, entitling the student to admission to all games, subscription to the college paper, entertainment courses, including special speakers, and special programs.

CAUTION DEPOSITS.—*A* caution deposit of $5.00 is required from all dormitory students on entrance. Failure to return keys or pay library fines, damage to college properties, etc., will be deducted from this fund. The balance is refunded to the student at the close of the year, or, in case of withdrawal from college, at the time of leaving. The claim for refund should be presented to the Treasurer with a certification from the proper officials as to the amount due.

RESIDENCE.—Dormitories must be filled before permission will be given to students to room out in town.

A charge of $1.00 each semester is made to the women in Speed Hall for use of the laundry.

Board and room for occupants in Speed and Stevenson Halls will be $90.00 per semester.

SETTLEMENT OF FEES AND BILLS

All tuition and other fees must be paid or arranged for on the opening day of each semester. Class cards will be issued only upon certification from the Treasurer that this has been done. Parents desiring to remit directly to the Treasurer should send their checks in advance. Tuition fees and room rent will in no case be refunded except for protracted illness, certified to by a physician. Final examinations will not be given nor transcripts of college credits issued to students who are in arrears in payment of bills.

SUMMARY OF EXPENSES FOR EACH SEMESTER

Tuition $50.00

Activity Fee .....$ 8.00

Board and Room $90.00

Total for semester, exclusive of laboratory fees, $148.

BOARDING STUDENT'S OUTFIT

Boarding students should bring the following articles: Large pillow slips, sheets, pair of blankets, quilt, counterpane, towels, napkins, and covers for bureau and washstand.

SELF-HELP

Many students earn a part of their way through school. They do this by working through the summer vacation, by rendering certain services at the college residences, in the dining room and kitchen, at the heating plant, and in the library, or by working in the stores, offices, and residences of Barbourville. The college authorities are willing to help worthy young men and women in their effort for an education. Students who are able to pay their way should not make application for help, but should leave these positions for those who cannot go to college without assistance. All student workers are expected to give in service full value for the help they receive.

SCHOLARSHIPS

THE JOSHUA S. AND ELIZABETH TAYLOR SCHOLARSHIPS.—The Rev. Joshua S. Taylor and Mrs. Elizabeth Taylor of Middleburg, Ky., left to Union College the sum of $3,100., the income of which is to be used to help some needy young men studying for the ministry in the Methodist Episcopal Church of Kentucky.

JOHN A. AND HANNAH BLACK SCHOLARSHIPS.—The late John A. Black, one of the founders of Union College, left $5,000. to the college, the income to be used for scholarships for young people who are preparing for some form of Christian work.

LOAN FUNDS

CHILDRENS DAY FUND.—The Board of Education of the Methodist Episcopal Church appropriates a small amount each year from the Children's Day offerings to the College to lend to worthy young people who are members of the Methodist Episcopal Church.

ELIZABETH GATES MEMORIAL LOAN FUND.—This was established in 1930 by Mrs. Waldo Brown of Knoxville, Tenn., in memory of the mother of John C. Gates, a former student at Union College. The loan is available in 1932 to ministerial students for help in their senior year.

ADMISSION

All applicants for admission to Union College must present satisfactory evidence of their previous academic training and of good character. Blanks for application for admission and for transfer of high school units may be secured by writing to the President of Union College. It is not possible to classify students accurately or to arrange a satisfactory and well articulated program unless certified entrance units and official transcripts of previous college work are on file at the college before registration. Transcripts brought by students are not considered as official. Applicants who are accepted will be classified, depending upon previous training, as freshmen, as students with advanced standing, or as special students.

ADMISSION TO FRESHMAN CLASS.—An applicant for admission to the freshman class must submit fifteen units of standard high school work. Conditional students are not admitted. Five of the fifteen units are prescribed as follows:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit

The ten elective units may be chosen from the following list:

English	½ to 1	Chemistry	1
French	1 to 3	General Science	½ to 1
German	1 to 3	History	½ to 4
Latin	1 to 4	Sociology	½
Spanish	1 to 3	Economics	½
Advanced Arithmetic	½ to 1	Psychology	½
Advanced Algebra	½ to 1	Social Sc. Prob. Course	½ to 1
Solid Geometry	½	Civics	½ to 1
Trigonometry	½	Bible	½ to 1
Physics	1	*Bookkeeping	1
Physical Geography	½	Shorthand	1
Biology	½ to 1	Domestic Science	1 to 2
Botany	½ to 1	Manual Training	½ to 2
Hygiene	½ tol	Mechanical Drawing	½ to 1
Zoology	½ to 1	Music	½ to 1
Physiology	½ ot 1	Agriculture	½ to 2

*Not more than four units may be offered in Bookkeeping and the vocational subjects listed after it, and other subjects not listed.

Applicants who have earned fifteen units of high school work which are satisfactory for entrance may be admitted by either of the following plans:

(1) *Admission by certificate.*—Graduates of high schools in Kentucky that are accredited by the Association of Colleges and Universities of Kentucky, and graduates of high schools of other states that are accredited by some recognized agency are admitted to the freshman class without examinations.

(2) *Admission by examinations.*—Applicants who are graduates of non-accredited high schools, and applicants who submit a minimum of fifteen credits from accredited high schools but who are not graduates are required to pass entrance examinations in four subjects, including English, Mathematics, and two subjects of at least one unit each, selected by the student.

ADMISSION TO ADVANCED STANDING.—Applicants who desire admission with advanced standing must present credits from an accredited junior college or from a standard college or university. The transcript of credit must show that the applicant has been honorably dismissed and that entrance requirements of Union College have been met. The credit to be allowed and the classification given will be determined by the Dean in conference with the Heads of the departments concerned. All credit allowed is tentative until the candidate has proven himself capable of pursuing the advanced courses entered.

ADMISSION AS A SPECIAL STUDENT.—It is very desirable that all students continue their studies to graduation. Even when a student does not expect to graduate, it will usually be wise to pursue one of the regular courses while in college. Irregular selection of studies will not be permitted without good reason. However, applicants who are persons of mature years, who give evidence of well defined purpose, and who desire to pursue some special line, or lines, of work without becoming candidates for a degree, may be admitted as Special Students. Such students are subject to the same regulations as other students with regard to the quality of work done and attendance upon college exercises.

FRESHMAN INSTRUCTION AND REGISTRATION

Three days are set aside immediately preceding the opening of college for special instruction and registration of freshmen. All applicants for admission to the freshman class are expected to be present September 10, 1931 and to report for each meeting during the three-day period. During this period freshmen are given health examinations, and psychological and placement tests. Freshmen who are not present for these tests will be required

to take them later. Instructions are also given concerning the requirements of the curriculum, methods of using the library, regulations of the student-body, etc. An informal "social" and some unorganized athletics will also be a part of the three-day program.

CLASS AND CHAPEL ATTENDANCE

The following regulations govern class and chapel attendance:

1. Regular attendance in all classes and at chapel is required.
2. Students will be held responsible to the departments in which they are enrolled for all work missed because of absence. Final class marks will not be given unless the work missed is made up in a manner satisfactory to the instructor.
3. Absence from classes, preceding or following holidays or regular vacations shall receive double penalty. This rule applies to first and second consecutive absences preceding or following holidays or vacations.
4. Three unexcused tardy attendances shall be considered equivalent to one absence and shall be reported as such. Excuses for tardy attendances may be granted only by the instructor.
5. For each uncancelled absence from a regular class, one-tenth (.10) will be deducted from the credit value of the semester's work, except that a student may have without penalty as many uncancelled absences as the number of semester hours of the course. Such absences should be used with discretion for emergency absences that are not subject to cancellation.
6. Absences may be canceled in the case of students who represent the college out of the city when the absence is approved by the proper official. Prior to such absence the name or names, endorsed by the proper person, must be submitted in writing by coach or instructor in charge to the Dean and his consent given. Absences due to illness for one week or more may be cancelled, if application for cancellation is accompanied by a physician's certificate or by a recommendation from the official of the residence in which the student lives. Absences incurred on account of death in a student's immediate family may be cancelled.
7. All requests for cancellations must be presented by the student to the Registrar in writing within a week after the

student returns to classes. Such requests must include the date of absence, the name and number of the course, the name of the instructor and the reason for absence.

8. The maximum number of cancellations allowed will not exceed twice the number of semester hours in the course.

9. When a student has accumulated in any course a total of four uncancelled absences for each hour's credit of the course he is automatically dropped from the course. If a total of 30 uncancelled absences in all courses is accumulated in any semester the student will be automatically suspended from college.

10. Absences will be counted from the first meeting of the class. The number of cancelled and uncancelled absences allowed may be used for absences that are due to late enrollment. If all uncancelled absences allowed without penalty are not used during a semester, the number of cancelled absences allowed may be extended by equal amount.

11. In case absences cause a student to fall below 12 semester hours per week, the student is suspended from all college activities for the remainder of the semester and may remain in college only by special permission from the Dean.

12. Students who are absent from a test must take a special examination or receive a grade of zero in that test. Unless the absence is cancelled, a fee of $1.00 is charged for each special test.

13. Exceptions to these rules may be made only by unanimous action of the faculty.

14. All the above regulations will also apply to chapel attendance.

EXAMINATIONS AND REPORT OF MARKS

Examinations are held at the close of each semester. Tests are held at mid-semester and at various times during each semester as the instructors may determine. Mid-semester and final marks are reported by the instructors to the Registrar who compiles at mid-semester and at the close of each semester for each student a report of the marks made. One copy of this report is given to the student and one copy is sent to the parents or guardian. Only the final marks become a part of the permanent record. Test and examination marks together with the daily marks constitute the final mark.

THE MARKING SYSTEM AND QUALITY POINTS

Marks are reported in letters as follows:

A.—Represents distinctly superior work, valued at three quality points for each semester hour.

B.—Represents better than average work, valued at two quality points for each semester hour.

C.—Represents average performance, valued at one quality point for each semester hour.

D.—Represents unsatisfactory but passing work, valued at 0 quality points.

E.—Indicates conditional work. An "E" may be removed by bringing up back work or by passing a special examination; otherwise it becomes an "F" automatically. A condition incurred during the first semester may be removed on or before the following March 15th. A condition incurred during the second semester or summer session may be removed on or before the following October 15th.

F.—Indicates failure with 0 credits and 0 quality points. This mark cannot be removed or changed except by repeating the course.

I.—Indicates that some required work of the course has not been completed. The same regulations for removal of a mark of "E" applies for removal of a mark of I.

W.—Indicates that the student withdrew from the course before the fourth week of school with the consent of the Dean and instructor of the classs. If a student withdraws from a course after the third week, a mark of F is given. A student cannot at any time after registration withdraw from a course except by permission from the Dean, and after the first week of the semester permission must also be secured from the instructor of the class.

CLASSIFICATION

Classification of students is determined by both the number of semester hours and the number of quality points. For Sophomore classification the student must have 25 semester hours and at least 25 quality points. For Junior promotion 55 semester hours and 55 quality points are required. For admission into the Senior class 88 semester hours and at least 88 quality points must be presented in September. Students who enter in September are not promoted to the next class for the second semester, though the number of semester hours and of quality points has been earned.

STUDENT LOAD

The average amount of work regularly required of each student is fifteen hours a semester, exclusive of physical education. No student may register for less than twelve semester hours or more than seventeen semester hours, exclusive of physical education, without special permission of the committee on advanced standing.

REQUIREMENTS FOR GRADUATION

Union College offers courses leading to the degrees of Bachelor of Arts and Bachelor of Science in Education.

THE DEGREE OF BACHELOR OF ARTS.—The degree of Bachelor of Arts will be conferred when a student has completed 124 semester hours, including the required work and a major and two minors to be chosen by the student not later than the beginning of the junior year. The last 30 hours of the course must be earned in residence in this institution.*

The general requirements of all candidates for this degree, listed acording to departments, are:

Bible and Moral Philosophy.—Six hours in Bible and three hours in religious education.

Education.—Elementary psychology.—three hours.

English.—Freshman composition.—six hours; English literature—six hours.

Foreign Language.—Fourteen hours—However, only six semester hours are required for students who present for entrance two or three units in one or two foreign languages and who successfully carry the second year of a college foreign language. No foreign language is required of students who present for entrance four units in one or two foreign languages.

History.—Six semester hours.—If neither a course in modern history or United States history is offered for entrance these six hours must be taken in one of these subjects or in English history.

Natural Science or Physical Science—Eight to ten hours of laboratory work in the same course.

Physical Education.—Four semester hours.

Social Science.—Six hours.—Introduction to Social Science.

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*Under certain conditions, such as entering a professional school at the end of the junior year, a student may be exempted by the Faculty from this regulation.

THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.—The degree of Bachelor of Science in Education will be conferred when a student has completed 124 semester hours, including the required work and one professional major and two teaching majors. The required work is the same as that for the Bachelor of Arts degree, except that no requirement is made in foreign languages. The professional major, consisting of 24 hours, must be approved by the Head of the Department of Education. One of the teaching majors, consisting of 24 hours, must be taken in a specific department. The other teaching major, consisting of from 24 to 30 hours, may be taken either in a specific department or in one of the following combinations of departments: Social Science and History; Natural Science and Physical Science; English and History; English and French. If one of the combinations is chosen, approval for specific courses must be given by the Dean and the Head of the department in which a majority of the work is desired.

DEGREES WITH DISTINCTION

Honors in scholarship are recorded on the diplomas of the students winning them, and published on the Commencement program. There are two grades of honors designated respectively *cum laude* and *magna cum laude*. These honors are conferred at graduation upon students who satisfy the following conditions of scholarship:

The honor of *cum laude* is awarded to those students who have attained a mark of A in 60 hours of the total required for graduation, and a mark not lower than B in 40 hours more.

The honor of *magna cum laude* is awarded to those students who have attained the grade of A in 100 hours of the total required for graduation.

Students completing more than 124 hours for graduation, must attain the same ratio of hours in A and B.

Students coming from other colleges may receive general honors on completing two years of resident study and satisfying the conditions of scholarship prescribed by the Faculty, provided they furnish also such evidence of high scholarship in the institution from which they come as may, in the judgment of the Faculty, entitle them to become candidates for honors under the regulations.

SUGGESTED CURRICULA

Students should plan carefully their college work, keeping in mind the general requirements for degrees and their vocational or professional interest. The college officials are glad to aid students in planning curricula to meet specific needs. The following curricula are suggested:

GENERAL COLLEGE CURRICULUM LEADING TO A. B. DEGREE.—Students who have not made a vocational or professional choice and students who expect to enter a professional school which requires a general college education are urged to take this General College Curriculum leading to the A. B. degree. By careful selection of major and minor fields and of elective courses this curriculum can be adjusted to the students' individual needs.

FRESHMAN YEAR

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Bible and Moral Phil. 131	3 hrs.	Bible and Moral Phil. 132	3 hrs.
Education 121	2 hrs.	Social Science 132	3 hrs.
Social Science 131	3 hrs.	Physical Education 112	1 hr.
Physical Educ. 111	1 hr.	Natural or Physical Science	4 or 5 hrs.
Natural or Physical Science	4 or 5 hrs.	or French	3 or 4 hrs.
or French	3 or 4 hrs.	Other Electives	2 or 3 hrs.

SOPHOMORE YEAR

First Semester		Second Semester	
English 231	3 hrs.	English 232	3 hrs.
Education 231	3 hrs.	History 232	3 hrs.
History 231	3 hrs.	Physical Education 212	1 hr.
Physical Education 211	1 hr.	Natural or Physical Science	4 or 5 hrs.
Natural or Physical Science	4 or 5 hrs.	or French	3 or 4 hrs.
or French	3 or 4 hrs.	Other Electives	5 or 6 hrs.
Other Electives	2 or 3 hrs.		

JUNIOR AND SENIOR YEAR

The student should build his program for these two years with the advice of the Dean and of the Head of the department in which the major is to be taken.

PRE-PROFESSIONAL CURRICULA.—Union College strongly recommends to all students who plan to enter a professional school the General College Curriculum of four years. Under approved conditions, however, permission will be given for a student to take three years of work at Union College and the fourth or senior year in a standard professional school. At the completion of the first year of professional work the A. B. degree will be granted, providing all general requirements are met.

Since requirements of professional schools vary considerably, no specific curricula are suggested, but the student who desires pre-medical, pre-dental, pre-legal, pre-engineering, or pre-ministerial courses is urged to make out his curriculum in consultation with the Dean. Consideration should be given the profession, the professional school which the student expects to enter, and the general requirements of Union College.

CURRICULA FOR PROSPECTIVE TEACHERS.—

1. Students who plan to teach in Junior or Senior High Schools should take the following recommended sequence of courses in Education:

Education 121 Psychology of Study
Education 132 Introduction to Teaching
Education 231 General Psychology
Education 232 Educational Psychology
Education 331 Tests and Measurements
Education 332 School Organization
Education 431 Methods of Teaching in High School
Education 432 Directed Teaching in High School

It is recommended further that such students major in two other departments.

2. Students who plan to teach in the elementary grades are urged to take the following curriculum for the freshman and sophomore years:

FRESHMAN YEAR

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Education 121	2 hrs.	Education 132	3 hrs.
Social Science 131	3 hrs.	Social Science 132	3 hrs.
Bible 131	3 hrs.	Bible 132	3 hrs.
Physical Education 111	1 hr.	Physical Education 112	1 hr.

And a one year-course of 4 or 5 hours a semester elected from the following: French 141, Beginning French; Physical Science 151, Chemistry; Physical Science 141, College Algebra; Natural Science 141, Zoology.

SOPHOMORE YEAR

First Semester		Second Semester	
English 231	3 hrs.	English 232	3 hrs.
Education 221	2 hrs.	Education 251	5 hrs.
Education 231	3 hrs.	Education 332	3 hrs.
Physical Education 211	1 hr.	Physical Education 212	1 hr.
History 233	3 hrs.	Education 222	2 hrs.
Electives of 3 to 5 hrs.		Electives of 2 to 4 hrs.	

This curriculum will satisfy all requirements for the Standard Elementary Certificate (renewable for life) and it also takes into consideration the general requirements for graduation. After a student has completed these two years of work he may continue his studies toward a degree without loss of credit or time.

3. Students who can only take one year of college work in preparation for teaching will find that the following curriculum satisfies requirements for the Provisional Elementary Certificate and also gives a well balanced college program:

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Education 121	2 hrs.	Education 221	2 hrs.
Education 131	3 hrs.	History 233	3 hrs.
Physical Education 111	1 hr.	Physical Education 112	1 hr.
Bible 131	3 hrs. or	Bible 132	3 hrs. or
Social Science 131	3 hrs.	Social Science 132	3 hrs.

And a one year-course of 4 or 5 hours a semester elected from those courses open to freshmen in Chemistry, Mathematics, Natural Science, and French.

4. Students who desire to earn the Provisional Elementary Certificate with only one semester of college work must take the following curriculum:

English 131	3 hrs.
Education 121	2 hrs.
Education 132	3 hrs.
Education 221	2 hrs.
History 233	3 hrs.
Physical Education 111	1 hr.
Bible 131	3 hrs. or
Social Science 131	3 hrs.

DEPARTMENTS OF INSTRUCTION

The following nine departments are maintained at Union College:

I. Bible and Moral Philosophy (Philosophy and Religious Education).

II. Education.

III. English (Language, Literature, and Speech).

IV. French

V. History

VI. Natural Science (Biology and Agriculture).

VII. Physical Education

VIII. Physical Science (Chemistry, Mathematics, and Physics).

IX. Social Science (other than History).

These departments with a detailed description of the courses are listed alphabetically in the following pages. The courses are numbered in such a way as to reveal at a glance the level of the course, the customary amount of credit allowed, and the semester in which the course is usually given. Courses numbered 100 to 199 inclusive are primarily for freshmen; courses 200 to 299 are primarily for sophomores; courses 300 to 499 are primarily for juniors and seniors. Juniors and seniors who take courses of a lower level than the 300 courses may be required to do additional work than that customarily expected or may receive a reduction in the amount of credit usually allowed. The second digit of the number indicates the value of the course in semester hours. The third digit shows the semester in which the course is usually given—the odd numbers are first semester courses and the even numbers are second semester courses. Thus a course numbered 131 is a freshman course with three semester hours credit and is usually offered during the first semester. Year courses in which the work of the two semesters constitutes an integral, indivisible course are designated by having the two semester course-numbers joined by a hyphen and no credit is allowed until both semesters of the course have been completed. Year courses which are divided in two semesters, each of which constitutes a completed division for which credit is given without taking the other semester, are listed with two numbers separated by a comma.

I.

DEPARTMENT OF BIBLE AND MORAL PHILOSOPHY

JOHN OWEN GROSS
Acting Head of Department and Professor of Bible

ROY L. RUTH
Associate Professor of Bible and Moral Philosophy

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours in courses approved by the head of the Department.

REQUIREMENTS FOR A MINOR. Fourteen hours in courses approved by the head of the Department.

COURSE OFFERINGS. The work in this department has been organized with a view of introducing the student to some of the great principles and practices of life that make for Christian conduct.

BIBLE

BIBLE AND MORAL PHILOSOPHY 131. *Old Testament Survey.* A study of the important developments in the political, economic, social, and religious history of the Hebrew people with particular emphasis upon the significance of these experiences for our life today. Attention is called to the characteristics and religious messages of the Old Testament books.
First semester, three hours.

BIBLE AND MORAL PHILOSOPHY 132. *New Testament Survey.* A general view of the life and teachings of Jesus and the early apostolic church. A short introduction to the books of the New Testament is given.
Second semester, three hours.

BIBLE AND MORAL PHILOSOPHY 231. *Life of Christ.* A study of the life and work of Jesus based on the four Gospels with special reference to the social, political and economic background of New Testament times. Each student will write his own life of Christ. This course will be given in sections to meet the need.
First semester, three hours.

BIBLE AND MORAL PHILOSOPHY 232. *The Prophets of Israel.* A study is made of the lives and messages of prophets of the Old Testament in the light of their historical setting.
Second semester, three hours.

PHILOSOPHY

BIBLE AND MORAL PHILOSOPHY 233. *Ethics.* A critical study of the foundation of moral obligations. The course is designed to give philosophic insight and to build moral character. Moral laws are applied to practical life and correlated with Christian ethics. Comparative study of two standard texts. Lectures.

First semester, three hours.

BIBLE AND MORAL PHILOSOPHY 234. *Introduction to Philosophy.* A study of the nature and function of Philosophy. The course introduces the student to the terminology and problems of Philosophy, and to the important movements of that and recent tendencies in this field.

Second semester, three hours.

BIBLE AND MORAL PHILOSOPHY 333. *Logic.* A study of the purposes, laws, and limitations of human reasoning, whether deductive or inductive. The course is made as practical as possisble.

First semester, three hours.

[Not offered 1931-1932.]

BIBLE AND MORAL PHILOSOPHY 335. *History or Ancient and Medieval Philosophy.* A careful survey of philosophic thought from the early Greeks to the Renaissance. The aim of this course is not so much to master the details of each philosopher as to grasp the fundamental of each school and note the effects upon succeeding philosophies and sciences. Open to juniors and seniors.

First semester, three hours.

[Not offered in 1931-1932, offered in 1932-1933 and alternate years.]

BIBLE AND MORAL PHILOSOPHY 336. *History of Modern Philosophy.* Beginning with Descartes and Bacon, the development of philosophic thought and its relation to national ideals are carefully studied. This study should throw substantial light upon the background of modern social, religious, educational, and governmental problems. Open to juniors and seniors.

Second semester, three hours.

[Not offered in 1931-1932, offered in 1932-1933 and alternate years.]

BIBLE AND MORAL PHILOSOPHY 431, 432 *Philosophic Foundations of Christian Theology.* The first part of the course makes an inquiry into the theistic conception of the world with the thought of establishing that view as a necessary postulate of reason and of human life. The second part of the course offers a philosophic study of the fact and the sense of sin, the incarnation, atonement, miracles, redemption from sin, immorality, etc. The effects of these doctrines will be traced in civilization, and modern problems will be viewed in the light of what Christianity offers as a solution. Open to juniors and seniors.

First and second semesters, three hours each semester.

RELIGIOUS EDUCATION

RELIGIOUS EDUCATION 235. *Principles of Religious Education.* A general introduction to the essentials of theory and method in modern religious education. An examination of teaching materials and procedures. Problems of organization and administration.

First semester, three hours.

RELIGIOUS EDUCATION 236. *The Church and Its Educational Task.* A careful examination of the modern program of religious education with particular reference to the educational work of the local church.

Second semester, three hours.

II.

DEPARTMENT OF EDUCATION

MAURICE F. SEAY
Head of Department and Professor of Education

MEREDITH G. CARPENTER
Associate Professor of Education

MISS ETHEL G. EVERSOLE
Instructor in Public School Music

REQUIREMENTS FOR A MINOR. Twenty-four semester hours in courses approved by the Head of the Department. Students who are candidates for the A. B. degree and who major in Education are urged to major in one other department.

REQUIREMENTS FOR A MINOR. Eighteen semester hours in courses approved by the Head of the Department.

CERTIFICATES. Students of Union College who meet certain requirements can secure teaching certificates issued by the Kentucky State Department of Education. The various certificates issued and the requirements of each are as follows:

1. Provisional Elementary Certificate, issued upon minimum of standard high school graduation plus 16 semester hours of standard college work earned in residence, including work as indicated below:

Required Courses:

English 131 or 132 (Freshman Composition) .... 3 sm. hrs.
Education 132 (Introd. to Tchg.) .....3 sm. hrs.
Education 221 (Teachers' Arithmetic) .....2 sm. hrs.

Group Electives: From three to eight hours of work must be selected from the following courses:

Natural Science 132 (Geography) .....3 sm. hrs.
History 233 or 234 (U. S. History) .....3 sm. hrs.
Natural Science 131 (Agriculture) .....3 sm. hrs.
Education 223 (Public School Music) .....1 sm. hr.
Education 222 (Reading in Elementary Schools) 2 sm. hrs.
English 223 or 224 (Public Speaking) .....2 sm. hrs.

General Electives: An applicant may offer not more than five semester hours from the field of general electives.

Reissued on 16 semester hours earned during the life of the certificate.

2. Standard Elementary Certificate, issued upon minimum of 64 semester hours of standard college credits, including at least 12 semester hours in Education. (The 16-semester-hour requirement for the Provisional Elementary certificate automatically becomes part of requirement for this); reissued on three years' teaching experience and may be extended for life.

3. Provisional High School Certificate, issued on minimum of 64 semester hours of standard college work, including at least 12 semester hours in Education; reissued on 32 semester hours of college work earned after issuance.

4. Standard High School Certificate, issued to college graduates who have at least 12 semester hours in Education, with Practice Teaching or satisfactory evidence of two years' teaching in high school; reissued on three years' teaching experience; may be extended for life upon minimum of 24 semester hours in Education, and three years experience teaching on the certificate.

5. Superintendent's Certificate, issued upon minimum of 70 semester hours of standard college credits including at least 18 semester hours in Education, six of which must be in Administration and Supervision, and in addition to scholastic credits, four years' experience in teaching in the public schools.

COURSE OFFERINGS.—The courses listed have been organized primarily to meet the needs of those who expect to enter the teaching profession and who plan to secure one of the above mentioned certificates. Some of the courses, however, are of general value and should prove beneficial to students who plan to enter other professions.

EDUCATION 121. *Psychology of Study.* This course deals with the various phases of the problem of effective study. Because of its practical application, all freshmen are required to take this course during the first semester of their college work. Not open to sophomores, juniors or seniors.
First semester, two hours.
Repeated second semester.

EDUCATION 132. *Introduction to Teaching.* This is an exploratory and an introductory course which briefly considers the chief problems of the teaching profession. Students not only face the problem of whether or not they should enter the teaching profession but they also consider the types of opportunities offered by the profession and the qualifications required. Directed observation in the different elementary grades is a part of the regular work of the course.
First semester, three hours.
Repeated second semester.

EDUCATION 221. *Methods of Teaching Arithmetic.* A study of the subject matter, teaching materials and methods for arithmetic in the elementary grades. This course is required of all students who are candidates for the Provisional or Standard Elementary Certificate.
First semester, two hours.
Repeated second semester.

EDUCATION 222. *Methods of Teaching Reading and Literature*—A survey of the recent contributions to the field of reading at the elementary level with the aim to locate: first, their bearing upon practices in teaching; second, their bearing upon the materials of reading; third, what additional studies are needed to help determine the desirable practices and materials of instruction. An interpretative and critical study of literature for children is made. Selection, classification,

and fitness for various purposes are emphasized. The course is recommended for all students who are candidates for the Standard Elementary Certificate.

Second semester, three hours.

EDUCATION 231. *General Psychology.* An elementary course in psychology. A brief review of the anatomy and physiology of the nervous system is given. The laws of mental growth and action are formulated. The nature of the self and its relation to society are studied. Not open to freshmen. Sophomores are required to take this course either the first or second semester.

First semester, three hours.

Repeated the second semester.

EDUCATION 232. *Educational Psychology.* This course serves the double purpose of introducing the student to the fundamental principles of educational psychology underlying the practices of education and of providing the minimum essentials of the technic of measuring the results of education. Topics discussed are: original tendencies, functioning of original tendencies, measurement of intellectual and non-intellectual traits, uses and results of intelligence testing, the inheritance of mental traits, the laws of learning, efficient learning, the learning curve, the permanence of modification, transfer of training, measuring improvement in school subjects, uses of educational tests, new-type examinations, the association tests and continuous exercise.

Prerequisite: Education 231.

Second semester, three hours.

EDUCATION 234. *Child Psychology.* This course presents the facts as far as they have been scientifically determined concerning child behavior, with special reference to the meaning of these facts to the teacher. It considers the growth and development of the child from the point of view of its physical, mental, moral, and social nature. It seeks to provide the students with sound criteria for estimating theories about the mental life of children and to give adequate training in the concrete study of child life, so that, as teachers, they will be able to deal intelligently with children of different ages, dispositions, and capacities.

Prerequisite: Education 231.

Second semester, three hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

EDUCATION 223. *Public School Music.* This course seeks to prepare for music teaching in the elementary grades. Understanding of the child's voice and how to train it, sight singing, elementary theory, and music appreciation are the major topics.

First semester, two hours.
Repeated second semester.

EDUCATION 251. *Directed Teaching in Elementary Grades.* In this course the student prepares lesson plans and teaches in one of the first six grades of the Barbourville Public School. Ninety periods of fifty minutes each of actual teaching in the presence of a critic teacher are required. Candidates for the Standard Elementary Certificate are urged to take this course. A student's previous work in Education must be approved by the Head of the Department of Education before registering for this course.

First semester, five hours.
Repeated the second semester.

EDUCATION 331. *Tests and Measurements.* Considers the current methods used in the measurement of intelligence and of attainment in various school subjects. Simple statistical terms and processes are studied. Open to juniors and seniors.

Prerequisite: six hours in Education.
First semester, three hours.

EDUCATION 332. *School Organization*—The organization of the school system is studied from the teacher's point of view. Principles of classroom management are also emphasized.

Prerequisite: six hours in Education.
Second semester, three hours.

EDUCATION 321. *Methods of Coaching Football.* This course offers training for students who expect to coach football teams.

First semester, two hours.

EDUCATION 322. *Methods of Coaching Basketball.* This course offers training for students who expect to coach basketball teams. Lectures and practical work.

Second semester, two hours.

EDUCATION 431. *Methods of Teaching in the High School.* The course is planned for prospective teachers. The work proceeds along three lines: first, development of the basic principles underlying all good teaching through class dis-

cussion, practical exercises, and contracts with teaching; second, organization of teaching materials in the different fields of interests; third, directed observations.
Prerequisite: nine hours in Education.
Second semester, three hours.

EDUCATION 432. *Directed Teaching in the High School.* Students approved by the Head of the Department of Education may do directed teaching in the Barbourville High School in the presence of a critic teacher. The student teaches in his major field. This course is required for the Standard High School Certificate.
First semester, three hours.
Repeated the second semester.

EDUCATION 433. *State and County School Administration.* This course deals with the problems of state and county administration from the administrator's point of view.
Prerequisite: nine hours in Education.
First semester, three hours.
[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

EDUCATION 434. *Supervision of Instruction.* The problems, principles and technique of supervising, instructing, and improving the teacher in service are dealt with from both the administrator's and teacher's point of view.
Prerequisite: nine hours in Education.
Second semester, three hours.
[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

III.

DEPARTMENT OF ENGLISH

MISS ABIGAIL E. WEEKS
Head of the Department and Professor of English Literature

MISS CLARABEL R. EATON
Instructor in English Language and Speech

REQUIREMENTS FOR A MAJOR. Thirty-six semester hours, including English 331-332. Those majoring in English must take one minor in French, History, or Social Science.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFERINGS. Since the work in English is fundamental to all other courses, all students are required to take courses

131, 132, 231, 232, and they are encouraged to take as much more as they have time to give to this field.

ENGLISH 131, 132. *Composition.* The purpose of this course is to train the student to use the English idiom with a reasonable degree of accuracy, force, and ease. Success depends upon a knowledge of principles, a study in application of principles, and upon tireless practice. Many themes are required; these are criticized by the instructor. Personal conferences with individual students are frequently held. Instruction is flexible in methods; freshness and variety are constantly sought. Required of all freshmen.

First and second semesters, three hours each semester.

English 131 is repeated the second semester.

ENGLISH 221, 222. *Advanced Composition.* Open to students who like to write. Its purpose is to develop organization, fluency, vocabulary, and style. The first semester is given to an elementary course in journalism, with the publication of *The Orange and Black* as a laboratory project. The second semester is given to advanced composition, with frequent study of forms from current literature. Original stories, essays and plays are written.

First and second semesters, two hours each semester.

ENGLISH 233. *Word Study.* This course aims to give students a vital interest in words as living things, and to increase their delight in acquiring new words for every day use.

Second semester, 1931-1932; first semester, 1932-1933, three hours.

ENGLISH 234. *College Grammar.* Open to all who feel their need of a course in grammar.

First semester, 1931-1932; second semester, 1932-1933, three hours.

ENGLISH 223, 224. *Public Speaking.* This course is designed to give the fundamentals of voice control and platform appearance, together with the acquiring of ability to think on one's feet before an audience. Frequent memory gems and original speeches are required of all students.

First and second semesters, two hours each semester.

ENGLISH 231, 232. *English Literature.* A rapid survey of the development of English Literature from Beowulf to the present, as a background for all further study of literature. Collateral reading with reports is a regular part of the work. Required of all sophomores.

First and second semesters, three hours each semester.

ENGLISH 331, 332. *Elements of Literary Appreciation.* A study of the principles of criticism, with abundant opportunity to apply these principles to current criticism, and to literature itself. Required of all who major in English.

First and second semesters, three hours each semester.

ENGLISH 333, 334. *American Literature.* In general parallels Course 231, 232. Open only to juniors and seniors.

First and second semesters, three hours each semester.

[Not offered in 1931-1932, offered in 1932-1933 and alternate years.]

ENGLISH 431. *Victorian Poetry.* A detailed study of Tennyson and Browning. Open only to juniors and seniors.

First semester, three hours.

ENGLISH 432. *Poetry of Today.* American Poets. English Poets. One-half semester each. Open only to juniors and seniors.

Second semester, three hours.

ENGLISH 433. *Drama.* Study of development of the English Drama from its beginning through Shakespeare and the transition to Ibsen. Open only to juniors and seniors.

First semester, three hours

ENGLISH 434. *Modern Drama.* From Ibsen to Shaw and O'Neill. Open only to juniors and seniors.

Second semester, three hours.

ENGLISH 435. *Nineteenth Century Poetry.* A study of the period of transition from the later Romanticism to the spirit of the nineteenth century proper will precede the regular work which includes a detailed study of the poetry of Arnold, Clough, Browning, Tennyson, Rosetti, and Swineburn. Open only to juniors and seniors.

First semester, three hours

[Not offered 1931-1932.]

ENGLISH 436. *Nineteenth Century Prose.* This course parallels Course 435, covering the prose work of Newman, Arnold, Ruskin, Carlyle, Macaulay, and others. Open only to juniors and seniors.

Second semester, three hours.

[Not offered in 1931-1932.]

IV.

DEPARTMENT OF FRENCH

MISS NANCY MYERS
Head of the Department and Professor of French

REQIREMENTS FOR A MAJOR. Courses 231-232, 331-332, and 431-432. Students majoring in French are also advised to take course 321-322. Those majoring in the department must take one minor in English or History.

REQUIREMENTS FOR A MINOR. Course 231-232, and six additional hours in advanced courses.

COURSE OFFERINGS. The aim of these courses is to give the student a knowledge of the language both written and spoken, an appreciation of the literature, and a general knowledge of the history and development of the language.

FRENCH 141-142. *Elementary French.* This course includes elementary grammar, conversation and written work. One easy prose book is read.
First and second semesters, four hours each semester.
French 141 is repeated the second semester.

FRENCH 231-232. *Intermediate French.* Reading of such authors as Merimee, Dumas, George Sand, Labiche. Memorizing of poems. One lesson per week in composition. Conversational French to a large extent.
Prerequisite: French 141-142 or equivalent.
First and second semesters, three hours each semester.

FRENCH 321-322. *French Composition and Conversation.* This course aims to give the student a better knowledge of writing and speaking French.
Prerequisite: Course 231-232.
First and second semesters, two hours each semester.

FRENCH 331-332. *French Literature in First Half of Nineteenth Century.* Study of Victor Hugo, Lamartine, Alfred de Vigny, Alfred de Musset, Chateaubriand. Study of the literature of this period by collateral reading.
Prerequisite: Course 231-232.
First and second semester, three hours each semester.

FRENCH 431-432. *French Classical Drama.* The reading of such writers as Corneille, Racine, Moliere. Outlines of the literature of seventeenth century.
Prerequisite: 331-332.
First and second semesters, three hours each semester.

V.

DEPARTMENT OF HISTORY

ARTHUR M. HYDE
Head of the Department and Professor of History

REQUIREMENTS FOR A MAJOR. Twenty-two semester hours in addition to the six hours of the general requirements in the Social Science Department. One hour may be made by "Honors work."

REQUIREMENTS FOR A MINOR. Eighteen semester hours. However, Social Science 131, 132 may count as six hours toward this minor.

COURSE OFFERINGS. No courses in History at the freshman level are offered since it is expected that all freshmen will take Social Science 131, 132, an introductory course to all social science. Courses 231, 232 or 233, 234 are prerequisite to the more advanced courses in History.

HISTORY 231, 232. *Modern History.* This course has to do with the development of Europe from 1500 to the present time. Of special importance in this course are the intellectual, religious, economic, political, and social changes which came with the Protestant Revolution of the sixteenth century, the French Revolution of the eighteenth century, the Industrial Revolution of the eighteenth and nineteenth centuries and the very important changes in various fields which came with the nineteenth and twentieth centuries.
First and second semesters, three hours each semester.

HISTORY 221, 222. *The Problems of Government.* A study of the principles and structure of American government. Emphasis upon its actual workings and upon current problems. Historical development, organization, powers, limitations of the government, and treatment of sovereignty, citizenship and nationality, electorate and governmental powers.
First and second semester, two hours each semester.

HISTORY 233, 234. *History of the United States.* The European background, colonial life, rivalry with the French, the breaking away from Great Britain, the making of our Constitution, and the beginning of our national life are studied the first semester; the Civil War and Reconstruction, the expansion toward the west, our industrial growth, receive especial attention the second semester.
First and second semesters, three hours each semester.

HISTORY 331. *History of Medieval Europe.* Of special interest because of its institutions which form the basis of those of modern times, such as feudalism, the city state, the beginnings of the national state, the Church, the Holy Roman Empire.

First semester, three hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

HISTORY 332. *History of the Reformation.* Social, intellectual, economic, and political changes, important to an understanding of the modern world.

Second semester, three hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

HISTORY 333, 334. *History of Great Britain.* Attention is paid to the social and economic development as well as to the political.

First and second semesters, three hours each semester.

HISTORY 431. *History of the French Revolution and the Napoleonic Period.* A study of the period 1789-1815, with considerable attention to conditions leading to the events of that period. The study is significant as an expression of ideals developing in the eighteenth century and influential in the nineteenth and twentieth.

First semester, three hours.

HISTORY 432. *Twentieth Century Europe.* A study of Europe before, during, and since the World War.

Second semester, three hours.

HISTORY 433. *American History to 1789.* The foundation and history of the American colonies and their relation to England, their struggle for independence, and the making of the constitution.

First semester, three hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

HISTORY 434. *History of American Foreign Relations from 1789 to the Present Time.*

Second semester, three hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

VI.

DEPARTMENT OF NATURAL SCIENCE.

I. B. PEAVY

Head of the Department and Professor of Biology

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFRINGS.

NATURAL SCIENCE 141, 142. *General Zoology.* Types of the main group of animals are studied with regard to structure, development, and relation to environment. Laboratory work will be on animals selected from the following list: Amoeba, paramoecium, vorticella, stentor, sponge, hydra, hydroids, planarians, thread worms, earth worms, nereis, leech, starfish, sea-urchin, snail, claim, squid, crawfish, centipede, grasshopper, beetle, and frog. Lectures and collateral reading. Two recitation periods and two two-hour laboratory periods a week.

First and second semesters, four hours each semester.

NATURAL SCIENCE 131. *General Agriculture.* This course deals with the problems of general agriculture that are common in Southeastern Kentucky.

First semester, three hours. Repeated the second semester.

NATURAL SCIENCE 132. *Elements of Geography.* A general study in earth science designed to give the student an understanding of the origin of the surface feature surrounding him and an intelligent application of the forces and processes involved in their modification.

Second semester, three hours.

[Not offered in 1931-1932.]

NATURAL SCIENCE 241. *General Histology.* A course in histology, including the process of fixing, imbedding, staining, technic sectioning and mounting different kinds of tissues. This course also includes an elementary study of the various organ tissues. Two recitation periods and two two-hour laboratory periods a week.

Prerequisite: Natural Science 141, 142.

First semester, four hours.

NATURAL SCIENCE 242. *Human Anatomy and Physiology.* A course which treats of the various structures and functions of the human body. Two recitation periods and two two-hour laboratory periods a week.
Prerequisite: Natural Science 141, 142.
Second semester, four hours.

NATURAL SCIENCE 244. *Botany.* A study of the biology, morphology, and classification of typical plants selected from the different groups. Two recitation periods and two two-hour laboratory periods a week.
Second semester, four hours.

NATURAL SCIENCE 341. *Comparative Vertebrate Anatomy.* A study of selected vertebrate types from Amphioxus to the mammals. The form and development of the different systems of organs are considered in detail. This course is an excellent preparation for the work in human anatomy or for teaching. Two recitation periods and two two-hour laboratory periods a week.
First semester, four hours.
[Not offered in 1931-1932.]

NATURAL SCIENCE 342. *Biology and Disease.* This course consists of recitations and lectures on the cause and means of preventing communicable diseases. It aims to give the facts which every person should know concerning tuberculosis, typhoid fever, diphtheria, yellow fever, and other diseases caused by bacteria or protozoa.
Second semester, four hours.
[Not offered in 1931-1932.]

NATURAL SCIENCE 441-442. *Embryology.* This course includes the study of the development of the frog, chick, and a mammal from the time of fertilization of the egg until fully formed. Lectures and recitations. Two recitation periods and two two-hour laboratory periods a week.
Prerequisite: Natural Science 141, 142.
First and second semesters, four hours each semester.
[Not offered in 1931-1932.]

VII.

DEPARTMENT OF PHYSICAL EDUCATION

J. R. BACON

Head of the Department and Professor of Physical Education

COURSE OFFERINGS—Physical Education is required of all fresh-

men and sophomores. The work in this department will consist of calisthentics, intra-mural games, football, basketball, baseball, track, indoor baseball, volley ball, tennis, gymnastics, and drill.

PHYSICAL EDUCATION 111, 112. Lectures on the practical care of the body and the physiology of exercises. Active exercises in the gymnasium or on the field.
First and second semesters, one hour each semester.

PHYSICAL EDUCATION 211, 212. Exercises in the gymnasium or on the field throughout the year.
First and second semesters, one hour each semester.

PHYSICAL EDUCATION 321. *Methods of Coaching Football.* This course offers training for students who expect to coach football teams. It is also listed as Education 321.
First semester, two hours.

PHYSICAL EDUCATION 322. *Methods of Coaching Basketball.* This course offers training for students who expect to coach basketball teams. Lectures and practical work. It is also listed as Education 322.

VIII.

DEPARTMENT OF PHYSICAL SCIENCE

EARL F. OGG

Head of the Department and Professor of Chemistry

MISS GEORGIA HASWELL

Instructor in Mathematics

REQUIREMENTS FOR A MAJOR. Students may major in the Department of Physical Science including courses in chemistry, mathematics, and physics or they may confine their major to chemistry. Twenty-four hours, approved by the Head of the Department, are required for either of these majors.

REQUIREMENTS FOR A MINOR. Students may minor in the Department of Physical Science by taking ten hours in chemistry, three hours in mathematics, and eight hours in physics. Students may confine their minor to chemistry by taking sixteen hours in this subject, or to mathematics by taking eleven hours in this subject.

COURSE OFFRINGS.

CHEMISTRY

PHYSICAL SCIENCE 121. *Practical Chemistry.* This course is primarily intended for those who have had no chemistry. It seeks to emphasize the cultural value of the subject and to give the student an insight into the application of chemistry to modern life. It cannot be counted toward a major in the department. Lecture one hour and laboratory two hours a week. Not open to students who have had any college chemistry.

First semester, two hours.

PHYSICAL SCIENCE 151-152. *General Inorganic Chemistry.* A course with a two-fold object in that it shows the possibilities of chemistry in our everyday living and at the same time prepares the student for further study of the subject. The basic principles of chemistry are studied in detail. Lectures, demonstrations, and recitations three hours per week and laboratory two two-hour periods per week. No previous chemistry required.

First and second semesters, five hours each semester.

PHYSICAL SCIENCE 241. *Qualitative Analysis.* A study of the metals by means of their ionic reactions is made in the light of the electron theory of matter. Lectures and recitations one hour per week, laboratory three two-hour periods per week.

Prerequisite: Physical Science 151-152.

First semester, four hours.

PHYSICAL SCIENCE 234. *Quantitative Analysis.* A course intended for pre-medical students. A study is made of the methods of volumetric analysis and fits the student to carry out accurate chemical determinations. Lectures and recitations one hour per week, laboratory two two-hour periods per week.

Prerequisite: Physical Science 151-152.

Second semester, three hours.

PHYSICAL SCIENCE 262. *Organic Chemistry.* While this course is designed for the student of medicine, yet it is acceptable for the chemistry major. A thorough study is made of the elementary principles of the chemistry of carbon compounds. An effort is made to unify the material and prepare the student for the specialized work necessary in his further study. Lectures and recitations four hours per week, laboratory two two-hour periods per week. In the laboratory it is the amount of work done and not the time spent that shall determine the course.

Prerequisite: Physical Science 241.

Second semester, six hours.

[Not offered in 1931-1932; offered in 1932-1933 and alternate years.]

PHYSICAL SCIENCE 311. *Inorganic Preparations.* Laboratory practice in the preparation of several of the more common compounds.
Prerequisite: Physical Science 151-152.
First semester, one or two hours.
[Not offered in 1931-1932.]

PHYSICAL SCIENCE 431. *Physical Chemistry.* A special course for pre-medical students. The theory and principles of chemistry are discussed in the light of the more recent views. Special attention is given to the applications to medicine. Lectures and recitations three hours per week.
Prerequisite: Physical Science 241, 141, 142, 143, and 134.
First semester, three hours.
[Not offered in 1931-1932.]

MATHEMATICS

PHYSICAL SCIENCE 143. *College Algebra.* The course presupposes a knowledge of elementary algebra. Chief topics: A review of the fundamentals of algebra, progressions, permutations and combinations, probability, complex numbers, logarithms, theory of equations, and determinants.
First semester, four hours. Repeated second semester.

PHYSICAL SCIENCE 134. *Trigonometry.* An elementary course in plane trigonometry. The theory of logarithms is also included. Emphasis is placed on trigonometric equations and transformations, as well as upon systematic and accurate computations in the applications.
Second semester, three hours.

PHYSICAL SCIENCE 241. *Analytic Geometry.* The fundamental notions of plane analytic geometry.
Prerequisite: Physical Science 143 and 134.
First semester, four hours.

PHYSICAL SCIENCE 232. *College Geometry.* The course takes up geometry where it is left in the high school course and reviews and enlarges the ideas found there, going into the geometry of the triangle, the quadrilateral, and the circle, introducing and applying the idea of harmonic range and inverse figures.
Prerequisite: Physical Science 241.
Second semester, three hours.
[Not offered in 1931-1932.]

PHYSICAL SCIENCE 331-332. *Differential and Integral Calculus.* Elements of calculus including differentiation, integration, Maxima and Minima, plane curves and areas.
Prerequisite: Physical Science 241.
First and second semesters, three hours each semester.
[Not offered in 1931-1932.]

PHYSICS

PHYSICAL SCIENCE 141-142. *General Physics.* This course deals with mechanics, heat, electricity, magnetism, sound, and light. Lectures and recitations three hours per week, laboratory one two-hour period per week.
Prerequisite: Physical Science 143.
First and second semesters, four hours each semester.

IX.

DEPARTMENT OF SOCIAL SCIENCE

WAYNE T. GRAY

Head of the Department and Professor of Economics and Sociology

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFRINGS.

SOCIAL SCIENCE 131, 132. *Introduction to Social Science.* An introductory year-course discussing the origin of human society and the factors affecting its evolution, the process of society, the working of the social mind, and the methods of social control; a survey of significant present-day social conditions and problems, and of the methods by which control is secured for safety and betterment.
First and second semesters, three hours each semester.
Social Science 131 repeated second semester.

SOCIAL SCIENCE 231. *Principles of Sociology.* This is a study of the basic principles of present-day social intercourse and interactions.
First semester, three hours.

SOCIAL SCIENCE 232. *Rural Sociology.* An investigation and study of past and present rural problems and institutions. The aim of this course is to stimulate interest in the farm home, the rural school, the country church, the farm organizations which have for their object the betterment of the countryside.

First semester, three hours. Repeated the second semester.

SOCIAL SCIENCE 235. *Introduction to Economics.* An examination of the fundamental principles of Economics, including production, distribution, consumption and exchange of economic goods.

First semester, three hours.

SOCIAL SCIENCE 236. *Economic Problems.* A study of modern economic problems found in production, distribution, consumption and exchange; and including also problems in currency, banking, tariff, taxation, international trade, and labor.

Prerequisite: Social Science 235.

Second semester, three hours.

SOCIAL SCIENCE 333. *Social Psychology.* A study of the interactions of the individual with the group and of groups with each other.

Prerequisite: Education 231 (General Psychology).

Second semester, three hours.

SOCIAL SCIENCE 434. *Social Pathology.* A study of poverty and dependency and similar forms of the social mal-adjustments of modern society. The cause, extent, significance, and present methods of dealing with them will be considered.

Second semester, three hours.

[Not offered in 1931-1932.]

COLLEGE EXTENSION DIVISION

MEREDITH G. CARPENTER, *Director*

STATEMENT OF PURPOSE. Union College is desirous of extending its facilities to larger numbers of people living within southeastern Kentucky, and therefore it maintains an Extension Division to offer service to teachers and others who are unable to pursue regular college courses in residence. In order to meet this need, a wide variety of college courses, including courses in adult and parental education, professional courses, and lecture courses for special groups, are offered.

These different courses at the various study centers within the territory are conducted by the members of the regular faculty of Union College. No correspondence courses are offered. The courses offered through the Extension Division are intended for all who may have any of the following ends in view:

1. To gain credits toward State certificates or toward the A. B., and B. S. in Education degrees.
2. To increase their knowledge along cultural and practical lines, thus qualifying themselves for promotion and a larger sphere of service.
3. To keep in touch with the rapidly advancing thought and activity of the present day, in order to meet more adequately the demands of modern religious, educational, and social life.
4. To continue professional education while in service. Many of the teachers in southeastern Kentucky have recognized the value of the opportunities offered them through Union College to continue their training while they are engaged in teaching, and sixty-eight of these have pursued courses through the Extension Division of the College during the past year. The College is trying to meet its responsibility in this connection and offers as many opportunities as possible.

SERVICE TO TEACHERS. The Extension Division offers courses in communities where persons want to work in groups in the same way as if enrolled in residence courses on the campus. Courses may be selected from the subjects authorized by the faculty for regular residence work and such other approved courses as may be considered valid for this purpose.

SERVICE TO SCHOOLS. The Division offers recommendations for improvement of communities and schools, such as suggestions for the enrichment of the curricula so as to adapt each curriculum to the special school and community needs, etc.

Extension lectures, conferences, interscholastic literary and physical education contests, as well as other activities designated to carry a complete service to this part of the State which are planned for the coming year, will fully demonstrate the feasibility and effectiveness of this sort of educational effort.

The various members of the faculty of the College will be glad to give answers to inquiries for facts, information and advice upon any topic coming within their respective fields.

Through the College Extension Division members of the faculty will, upon invitation, deliver popular lectures, technical lectures, for schools, clubs, and other community organizations. A number of commencement speakers are also available.

PLACEMENT BUREAU. The College maintains a bureau to serve its graduates who are seeking positions, and school boards and superintendents seeking teachers. Superintendents and boards of education are invited to visit the College, to make use of the placement bureau in looking for teachers and to meet applicants in whom they are interested.

GENERAL REGULATIONS GOVERNING EXTENSION

Entrance Requirements. The entrance requirements for non-resident work are the same as those for resident study. Students who do not meet the regular entrance requirements of the College may be admitted to the extension courses upon payment of the fee but may not receive credit. The requirements for entrance are stated elsewhere in this catalog.

Fees. No registration fee is charged for persons taking courses through the Extension Division. The regular tuition charge is $12.50 for each three hour course per student or $25.00 for the semester's work of six semester hours.

Residence Requirements. Extension courses cannot be used to satisfy residence requirements. Union College requires the last year's work (30 semester hours) in residence, and extension work will not be accepted for this.

Instructors. Only regular members of the faculty of Union College are authorized to give courses at a study-center.

Courses. Courses given through the Division will be the same as those offered in residence as far as textbooks, credit, number of meetings, etc., are concerned.

Other Work. Students doing resident work in other institutions will be required to file written permission from those schools before being allowed to register for extension work in Union College.

Recording Credits. In recording and transcribing credits earned in non-resident courses, indication shall be made by proper notation that such credits were earned in extension work.

Credit Limit. Not more than 12 semester hours of extension work done in one academic year will be accepted by the College except by special permission from the Dean. This applies also to extension work done in other institutions. Not more than one-half the courses in a major may be done by extension. As the last thirty hours of the College course must be done in residence in this institution by all students who are candidates for a degree, permission from the Dean must be had to carry extension courses during the senior year.

No more than 30 semester hours of extension work will be accepted toward a degree from Union College unless all such work has been done under the direction of the Extension Division of the College, in which the maximum accepted will be 40 semester hours.

No credit will be given for any extension work taken while the student is enrolled in Union College or in any other institution unless permission is obtained from the Dean. In no case will more than the total of 50 semester hours earned during one calendar year be accepted. Permission for this maximum must be granted by action of the Faculty.

Candidates for teachers' certificates should note that extension work will not satisfy the requirements for the original issue of a Provisional Elementary Certificate, nor be accepted for more than one-half of the requirements for the renewal of any certificate. In the issuance of certificates on 64 semester hours of college credit, at least 48 semester hours of these are required to be earned in residence.

Failures made during resident study cannot be made up by extension work.

Students who enroll for extension work and later enter for full time resident courses shall discontinue their extension work

until the period of residence is ended.

Six semester hours during a semester are considered a full load for persons who are teaching.

THE BULLETIN. The Extension Division publishes a bulletin giving in detail the regulations governing the service and listing the courses open to teachers through this Division of the College.

The Extension Division has general direction of all non-resident study. All inquiries concerning the organization of classes or any of the other types of service listed should be addressed to the Director of College Extension, Union College or to the President of the College.

MUSIC DIVISION

Miss Ethel G. Eversole, *Director*

Union College does not maintain an academic department of music, but a few theoretical and practical courses are offered in connection with the Music Divisison, for which a limited amount of credit is given. Although not organized as a department, all students have opportunities to develop their musical talents and to gain an appreciation for music. The Music Division has supervision of all musical organizations, musical programs, and musical activities of the College.

Amount of Credit. The total credit which may be applied toward a degree is ten semester hours unless the work was done at an institution where a department was maintained, in which case a total of eighteen hours is allowed toward a degree.

Courses Offered. Courses are offered in pianoforte, voice, harmony, history of music, music appreciation, violin, reed and band instruments, and student musical organizations such as glee club. Students should consult the section of this catalogue that deals with "expenses" for information as to cost of private and class work in music.

SUMMER SESSION

GENERAL ANNOUNCEMENT. Union College has two six-weeks terms of summer work. The first term for 1931 opens June 1 and closes July 4; the second opens July 6 and closes August 8. The classes meet six days each week. Class work begins in the morning at 7:30 and closes at noon. The program of studies published in the summer bulletin is such that a student may take the regular college courses and subjects that are required for certificates issued by the Department of Educatoin of the State of Kentucky.

REQUIREMENTS FOR ADMISSION. The requirements for admission are the same for the Summer Session as for the regular work. For a complete statement concerning them the proper section of the catalogue should be consulted. It is important that new students have transcripts of work done in high school and college sent to the Dean before the opening of the session.

CREDIT. The work offered in the Summer Session is equivalent in method, character, and credit value to that of the academic year. Six semester hours of college work constitute an average load for a term of six weeks, but under certain conditions seven hours are permitted.

FEES. The cost of tuition for the session is four dollars each semester hour carried. Board in the dining hall is $3.75 per week. Board and room in the college dormitories is $5.00 per week.

For further information write Director of Summer Session.

REGISTER OF STUDENTS

DEGREES CONFERRED MAY 28, 1930

BACHELOR OF ARTS

Name	*County or State*
Bargo, Chester	Knox
Broughton, P. M.	Knox
Burroughs, Mildred	Greenup
Catron, Thomas	Knox
Chestnut, Walter	Laurel
Feltner, Aubrey B.	Laurel
Howard, Boyd Davis	Bell
Howard, H. A.	Knox
Pigg, Wilma	Laurel
Poe, Teddy	Nicholas
Rigsby, Fred	Boyd
Sharp, Frank	Clay
Spurlock, Estil	Clay
Spurlock, W. H.	Clay
Surgener, Prince	Knox

SENIORS

Ackerman, Frank	Knox
Baker, George F.	Knox
Baker, J. R.	Knox
Baker, Taylor Gene	Clay
Bowman, Bernice	Florida
Chestnut, Aubrey E.	Knox
Chestnut, Glenn F.	Knox
Collett, L. M.	Knox
Colson, Gillis	Clay
Davis, Charles	Knox
Davis, Ester	Knox
Engle, Edna E.	Laurel
Feltner, Edith	Knox
Fowler, Anna Fay	Gallatin
Green, Clyde C.	Laurel
Hembree, Sillous	Knox
Hopper, Harry	Knox
Howes, John B.	Greenup
Hubbard, Etta	Clay
Johnson, James Asa	Pennsylvania
Kelemen, Stephen Jr.	Harlan
Kitzel, Heinz W.	Ohio

Name	*County or State*
Knuckles, James F.	Bell
Knuckles, W. L.	Bell
Lawson, Carl E.	Whitley
Loveless, Phil H.	Indiana
Main, Ruth L.	Knox
Maloney, Wm. T.	Delaware
Marsee, Leila C.	Knox
Mayhew, G. W.	Knox
Mays, Jesse T.	Knox
Messer, James Clark	Knox
Mills, Ed.	Clay
Minter, H. F.	Laurel
Nelson, Florence E.	Knox
Parker, Martha G.	Knox
Patrick, Luther	Estill
Richardson, Mary	Knox
Root, Lester C.	Whitley
Shifley, Mrs. E. M.	Knox
Slusher, Wm.	Bell
Treadway, J. E.	Laurel
Tye, Roberta Sears	Knox
Vincent, Maurice	Knox
White, Nevil	Kenton
Wilder, Edna	Laurel

JUNIORS

Baldwin, Robert S.	Laurel
Ball, Wm. H.	Lawrence
Baxter, Christine	Lincoln
Beddow, Walter	Knox
Blackburn, Elizabeth	Knox
Burkhart, John	Harlan
Blair, Lyda	Knox
Burnett, R. E.	Laurel
Catron, Fred	Knox
Clark, Buford	Whitley
Congleton, Ruth	Knox
Cox, Howard	Knox
Culton, Bernadine	Bell
Dean, Violet	Owsley
Evans, Florence	Knox
Faulkner, Catherine	Knox
Faulkner, Jesse T.	Knox
Fields, Chester	Owsley

Name	*County or State*
Fryman, Flossie	Greenup
Gabbard, Mossie Lee	Bell
Garland, James	Knox
Gay, Mary Lee	Clay
Golden, Reese	Knox
Graham, Eula	Harlan
Gregory, Ted	Laurel
Hawn, Katherine	Knox
Hawn, Louis B.	Knox
Hind, Glyn	Clark
Hughes, John W.	Knox
Hughes, Sarah Jones	Knox
Jarvis, Georgia West	Knox
Ketcham, Angie	Knox
Kilburne, Earl	Virginia
Knuckles, Wm. R.	Bell
Landreth, Millie	Mason
Lewis, McCoy	Clay
Maggard, Jane	Clay
Martin, Wm. G.	Knox
Mays, J. R.	Knox
Marsee, Kenneth	Knox
Miller, R. C.	Whitley
Pendleton, Ruth Jane	Knox
Quillen, Mont	Virginia
Reid, Joyce E.	Knox
Rogers, T. G.	Whitley
Shields, Alice L.	Knox
Smith, L. W.	Clay
Snavely, Gerald	Knox
Stewart, Braxton	Knox
Tandy, Alva	Bell
Taylor, Harry	Whitley
Terrell, Claude B.	Whitley
Valentine, Shellie	Knox
Valentine, L. T.	Knox
Williams, Stella	Knox

SOPHOMORES

Abner, McKinley	Knox
Adams, Lutie	Letcher
Amis, Cora Mae	Knox
Anders, Eunice	Whitley
Anderson, Juanita	Bell
Bailey, Dezzie	Harlan

Name	*County or State*
Baird, Geo. Nelson	Knox
Baker, Clara	Knox
Baker, Clarence	Owsley
Barbe, Emma Frances	Owen
Barbe, Lucy Anita	Owen
Bays, Amy	Knox
Bays, Elsie	Knox
Botner, Reid	Knox
Bowling, Moody	Clay
Buchanan, L. W.	Knox
Buchanan, Marie	Knox
Caton, Florence	Bell
Catt, Edson Carl	Indiana
Caudill, Estil B.	Clay
Chandler, Glen	Whitley
Chesnut, Dan	Knox
Chumley, Charles	Harlan
Combs, Clarence	Magoffin
Cornett, Bessie York	Clay
Corum, Ruth	Knox
Craft, F. H.	Laurel
Creasy, Mae	Knox
Decker, Arthur	Indiana
Dobson, Edgar	Clay
Dunn, Agnes	Whitley
Evans, Clara	Knox
Epperson, Marvin R.	Knox
Frederick, Helen	Clay
Frierdich, Earl	Campbell
Gabbard, Dan	Bell
Green, Ethel	Knox
Greene, James	Tennessee
Gregory, James W.	Knox
Hale, Lenora	Knox
Hammons, Jeff	Knox
Hampton, Justus	Knox
Hauser, Edna	Knox
Hayes, Kenneth	Lawrence
Ingram, Willa	Bell
Johnson, C. A.	Whitley
Jones, Mrs. S. H.	Knox
King, Marola	Knox
Knuckles, Mrs. W. L.	Bell
Lundy, W. R.	Knox
Marshall, Effie Mae	Bell

Name	*County or State*
Mayhew, Mae	Knox
Mealer, June	Knox
Miller, Louella	Knox
Mills, Anna Lee	Clay
Mills, Florence	Clay
Mills, Shelby	Clay
Moore, Marvin T.	Whitley
Morehead, Marvin	Knox
McDaniel, Curtis	Laurel
McWilliams, Rufus	Knox
Napier, Opha	Greenup
Nelson, Jeanna	Madison
Patrick, Mrs. Corda	Estill
Patterson, Lloyd E.	Greenup
Quinton, Hilda A.	Casey
Ramsey, Ora	Knox
Rice, Jesse Wm.	Knox
Slusher, Daphne	Knox
Smith, Alta	Knox
Smith, Annabel	Clay
Smith, Grace	Clay
Smith, Nathaniel	Bell
Sowders, Mary	Knox
Sproule, Evelyn	Knox
Steele, Chas. R.	Harlan
Tribell, Maurice	Bell
Trosper, Donnie	Knox
Tuggle, Margaret	Knox
Turner, Clifford G.	Bell
Turner, Rosa	Bell
Tye, James Gorman	Knox
Wagers, Earl	Clay
Wiley, Miller B.	Tennessee
Williams, Clyde	Knox
Williams, Willie	Harlan
Woolum, Inez	Knox
York, A. H.	Knox

FRESHMEN

Adams, Lurline	Harlan
Alford, Albert C.	Knox
Arena, Paul	Whitley
Arthur, Allen H.	Greenup
Ash, Gladys E.	Georgia

Name	*County or State*
Asher, Amis	Bell
Asher, Foister	Bell
Asher, Matt	Bell
Ashley, Stella	Casey
Baker, Cecil	Harlan
Baker, Mae Russell	Knox
Baldwin, R. S.	Laurell
Ball, Lucian	Lawrence
Bargo, Betty	Knox
Barlow, Mrs. Dora	Bell
Baxter, Samuel	Lincoln
Baxter, Willena	Lincoln
Berry, Byron	West Virginia
Boggs, Reba	Harlan
Boston, Virginia	Bell
Broughton, Daisy	Bell
Britton, Glades	Knox
Brunk, Alva	Harlan
Callahan, Brown	Owsley
Callebs, Ruth	Knox
Campbell, Doyle	Knox
Campbell, Lloyd Brown	Harlan
Catron, Mildred	Knox
Cobb, Oscar	Webster
Combs, Lincoln E.	Letcher
Combs, Virginia	Knox
Corey, Salley Mae	Knox
Cox, Edward	Knox
Davidson, G. H.	Clay
Dean, Mary E.	Knox
Dobson, Luther	Clay
Engle, Otis	Knox
Evans, Elizabeth	Fleming
Faulkner, Carrie	Knox
Faulkner, Marvin	Knox
Faulkner, Nancye Lee	Knox
Feltner, Odra	Leslie
Feltner, Opal	Leslie
Fisher, Laura Elizabeth	Ohio
Foley, Myrtle	Knox
Fortney, Carrie	Knox
Franz, Albert	Greenup
Garland, Etta Helen	Knox
Garland, Rose	Knox
Goins, Catherine	Clay

Name	*County or State*
Golden, Ben	Bell
Goodman, Callie	Knox
Gourley, Mattie	Bell
Greene, Helen Weller	Bell
Greene, Juanita	Harlan
Greene, W. A.	Harlan
Haggard, Auda	Casey
Hammons, C. B.	Knox
Hammons, Cleo	Knox
Hammons, Frank	Knox
Hammonds, Lillian	Knox
Hampton, Jas. B.	Knox
Hampton, T. R.	Knox
Hardin, Pearl	Bell
Harris, Evelyn L.	Knox
Hauser, Edna	Knox
Heath, Virginia	Knox
Helton, Eva	Knox
Helton, Herbert C.	Knox
Helton, Owen	Knox
Hensley, Christine	Clay
Hibbard, Mabel Mills	Clay
Hicks, Golia I.	Mason
Hoskins, Mrs. Joe	Bell
Hoskins, Mallie	Bell
Howard, Mrs. Boyd	Bell
Howard, Esther	Whitley
Howard, Green	Bell
Howard, Ora Mae	Bell
Howes, Eugene	Clay
Hubbard, Daisy	Clay
Hubbard, Ethel	Clay
Hubbard, W. P.	Knox
Huber, Ralph	Campbell
Hughes, Effie L.	Knox
Hughes, Mrs. J. F.	Knox
Ingram, Lucille	Knox
Ingram, Maud	Knox
Jackson, Alfred	Knox
Jackson, Charlie	Knox
Jackson, Margie	Knox
Jaggers, Willard E.	Webster
Jarvis, George	Knox
Johnson, Delsa Mae	Harlan

Name	*County or State*
Jones, Bessie N.	Knox
Jones, Elva	Knox
Jones, Maud	Knox
Kelly, Austin	Knox
Kelly, Emily	Harlan
Keneley, George J.	Mass.
King, G. P.	Harlan
Kinningham, Earl	Bell
Landreth, Edward A.	Mason
Lathram, Kenton W.	Bath
Laws, Bessie Mae	Knox
Lee, Rhodah	Harlan
Linville, Axie Belle	Knox
Logsdon, Edward	Knox
Lovell, Bessie Lee	Bell
Lynch, Avery	Indiana
Lynch, Elizabeth L.	Knox
Mayhew, Roberta	Knox
Mays, E. G.	Knox
Mays, Reavus	Knox
Messer, Clarence	Knox
Messer, Durham	Knox
Messer, Nebraska	Knox
Messer, Walter	Knox
Middleton, Celia	Harlan
Middleton, Glessie	Harlan
Miles, Violet	Knox
Miller, Clifford G.	Whitley
Miller, Effie Lee	Bell
Miller, Gladys Alsip	Whitley
Miller, Reno R.	Knox
Mills, Carnes	Bell
Mills, Velma Sears	Knox
Moore, Mrs. Bettie B.	Whitley
Moore, Metta	Ohio
Moore, Raymond	Ohio
Morehead, Nevil	Knox
Morgan, Elsie Fowler	Knox
Myers, Lucy J.	Ohio
McGuire, Frances	Knox
McNeill, Lillian J.	Tennessee
McNeil, Wm. R.	Knox
Nance, Atha Lee	Hopkins
O'Neal, Ellen Frances	Mason
Owens, Jean Pitzer	Knox

Name	*County or State*
Parker, Homer	Knox
Parsons, Estle G.	Knox
Payne, Cleadith	Knox
Pendleton, Daisy	Knox
Perry, Alfred	West Virginia
Petrey, Mary Elizabeth	Lincoln
Philpot, Wm. J.	Clay
Pickerill, Willis E.	Harlan
Poff, Alma	Knox
Prichard, Cleadie R.	Knox
Renfro, George	Knox
Renfro, Mary	Knox
Rhodes, Dessie	Knox
Riley, Wilmer	Delaware
Roberts, Cleo	Knox
Roberts, Julia	Clay
Roberts, Lena	Virginia
Roberts Sylvania	Clay
Rogers, Mrs, T G.	Whitley
Romerger, Mary	Madison
Rose, Mitchell	Knox
Rost, Fred	W. Virginia
Rowlett, Elsie Lee	Knox
Ruggles, Helen	Mason
Saylor, Emanuel	Harlan
Sears, Bertha	Knox
Sears, Chas. C.	Whitley
Sears, Ethel	Knox
Shifley, Glenn	Knox
Siler, Steeley	Knox
Simpson, Ed	Ohio
Sizemore, Clara Alma	Bell
Slusher, Albert	Bell
Slusher, Richard	Bell
Smallwood, Stella	Clay
Smith, Bonnie	Rockcastle
Smith, Esther	Clay
Smith, Henrietta	Harlan
Smith, Roy K.	Clay
Smith, Wayne	Lincoln
Smith, Wm. Henry	Harlan
Smith, W. W.	Clay
Sowders, Georgia	Knox
Sowders, W. D.	Knox
Spurlock, Ethel	Clay

Name	*County or State*
Sweeney, Jno. W.	Whitley
Taylor, Gladys	Knox
Taylor, Lillie Mae	Bell
Taylor, Louis T.	Texas
Teague, Martha	Whitley
Terrell, Woodrow LaM	Whitley
Thomas, Carlisle	Lee
Thomas, Ercie	Lee
Thompson, Millard	Knox
Turner, Delmar	Knox
Turner, Elbert	Knox
Tye, Herbert	Georgia
Van Cleve, Jesse	Powell
Waddell, Mayola	Bell
Wagers, W. O.	Clay
Walker, J. D.	Clay
Walker, Lydia Lanien	Knox
Wallen, Margaret	Whitley
Warren, Yerkes	Knox
Wells, Martha B.	Knox
West, Whit R.	Knox
White, Mrs. Cleo	Clay
White, Reginald	Knox
White, Statia B.	Clay
Wiley, Owen	Tennessee
Wilkinson, Easther E.	Clay
Williams, Loretta Mealer	Knox
Wililamson, Edward	West Virginia
Williamson, Ethel	Knox
Williamson, Irene	Knox
Wilson, Carrie Centers	Bell
Wilson, Edgar	Bell
Wilson, Lenora	Bell
Wilson, Myrtle	Knox
Young, Nelie Lee	Harlan
York, Ben D.	Knox

SPECIAL

Amis, Otis	Knox
Aodd, Anna	Knox
Blair, Mrs. J. F.	Knox
Baker, John Harvey	Knox
Broughton, P. M.	Clay
Calbbs, Elon	Knox
Eaton, Elizabeth	Washington, D. C.
Elliott, W. C.	Knox

Name	*County or State*
Fancher, Georgia Marie	Mississippi
Gilbert, H. B.	Knox
Hind, Alfred	Clark
Jackson, Evelyn G.	Knox
Martin, Wm. D.	Knox
McWilliams, Bronzel	Knox
Philpot, Delbert	Knox
Powell, Betty	Harlan
Sharp, Mrs. Frank	Clay
Todd, Anna	Knox

SUMMER SESSION 1930

Ackerman, Frank	Knox
Adams, Ollie	Carter
Amis, Nora Lee	Knox
Anders, Eunice	Whitley
Asher, Mossie	Bell
Ashley, Velmer C.	Casey
Bailey, Dezzie	Harlan
Baker, Axie	Knox
Baker, George F.	Knox
Baker, Taylor Gene	Clay
Ball, William	Lawrence
Barbe, Lucy Anita	Ohio
Bargo, Chester A.	Knox
Barker, Ruth	Harlan
Bays, Amy	Knox
Blair, Mrs. James F.	Knox
Blackburn, Elizabeth	Knox
Blair, Lyda	Knox
Bledsoe, Mallie B.	Clay
Bowling, Abraham	Clay
Bowman, Bernice	Florida
Broughton, P. M.	Clay
Buchanan, Marie	Knox
Bullock, Hazel Mae	Whitley
Campbell, Clara E.	Whitley
Caton, Florence J.	Bell
Catron, Lois	Knox
Catron, Sadie	Knox
Chandler, Elizabeth	Bell
Chesnut, Aubrey	Knox
Chesnut, Mrs. Laura	Whitley
Chesnut, Walter	Whitley
Clark, Buford T.	Whitley

Name	*County or State*
Cobb, Daniel	Knox
Cochran, Onibe	Harlan
Cole, Fannie	Clay
Collett, L. M.	Knox
Collett, Mrs. L. M.	Knox
Cox, Howard	Knox
Creasy, Mae	Knox
Creech, Thelma	Bell
Davidson, Estill	Clay
Davies, Ellen	Knox
Davis, Charlie	Knox
Davis, Ester	Knox
Dotson, Mabel	Laurel
Dunn, Agnes	Whitley
Epperson, Marvin	Knox
Evans, Florence	Knox
Farmer, Luther	Clay
Faulkner, Rookh	Knox
Faulkner, Jesse	Knox
Faulkner, Mary	Knox
Feltner, Mrs. Edith	Knox
Feltner, Opal	Leslie
Fields, Chester	Owsley
Fortney, Carrie Jean	Knox
France, Wm. C.	Harlan
Frederick, Mary Jamima	Knox
Gabbard, Dan	Ohio
Gilbert, Nell Lois	Knox
Goins, Charles	Clay
Goodman, Callie	Knox
Goodman, Zelma	Knox
Gowrley, Mattye	Bell
Greene, Ethel Mae	Knox
Greene, Mollye	Bell
Hale, Lenora Estelle	Knox
Hamby, Nona	Harlan
Hammonds, Frank	Knox
Hammons, C. B.	Knox
Hampton, J. B.	Knox
Hauser, Edna	Knox
Hearne, J. D.	Whitley
Hembree, Sillous	Knox
Hensley, Mary E.	Harlan
Higgins, Malcom	Knox
Hill, Mrs. Roy	Harlan

Name	*County or State*
Howard, Boyd	Bell
Howard, Etta	Harlan
Howard, H. A.	Knox
Howard, Nola	Bell
Howard, Willie L.	Harlan
Howard, Z. R.	Whitley
Hubbard, Daisy	Clay
Hubbard, Etta	Clay
Hubbard, W. P.	Knox
Hughes, Mrs. J. F.	Knox
Hughes, John W.	Knox
Ingram, Willa	Knox
Jackson, Rahma	Knox
Jarvis, Effie	Harlan
Jarvis, Mrs. James D.	Knox
Jarvis, Myrtle	Knox
Jarvis, Oscar	Harlan
Johnson, Bessie	Bell
Johnson, C. A.	Whitley
Johnson, Grace W.	Bell
Johnson, Virginia	Whitley
Jones, Mrs. S. H.	Knox
Kelemen, Steven Jr.	Harlan
Kelly, Sadie Jane	Knox
Kincaid, Billie M.	Whitley
King, Marola	Knox
Knuckles, Cleo	Bell
Knuckles, W. L.	Bell
Landreth, Millie D.	Lewis
Lawson, Carl E.	Whitley
Lay, Jesse D.	Knox
Loveless, Phil H.	Indiana
Lowry, Catherine B.	Whitley
Lundy, W. R.	Knox
Magee, Arlie	Laurel
Main, Ruth	Knox
Maloney, Wm. T.	Delaware
Manning, Margaret	Laurel
Marcum, Victoria	Owsley
Marshall, Effie	Bell
Mayo, Mary	Knox
Mays, Cecil	Knox
Mays, Jesse	Knox
Mays, Everett G.	Knox
Mays, Reavus C.	Knox

Name	*County or State*
Mays, S. M.	Knox
Mealer, June	Knox
Messer, James	Knox
Messer, Nebraska	Knox
Miller, R. C.	Whitley
Mills, Ed	Clay
Minter, H. F.	Laurel
Mitchell, Amanda H.	Knox
Morehead, Marvin	Knox
Morehead, Nevil	Knox
Muncy, Clara P.	Whitley
Murray, Nannie	Bell
McLachlan, Hugh D.	Michigan
McNeil, John	Bell
McWilliams, W. Rufus	Knox
Oaks, Fontella	Bell
Parker, Martha	Knox
Parsons, Curtis	Knox
Payne, Myrtle	Laurel
Payne, Sadie	Laurel
Pearl, Helen	Bell
Petrey, Elizabeth	Lincoln
Powell, Mintie J.	Harlan
Quinton, Hilda	Casey
Ramsey, Ora	Knox
Reid, Madison	Clay
Roach, Nelle H.	Bell
Robbins, Juanita	Bell
Roberts, Cleo	Knox
Roberts, Hester	Knox
Roberts, Mrs. Iola	Knox
Roberts, Lena	Virginia
Rogers, Thomas Gibbs	Georgia
Roberts, Sophie	Lawrence
Root, Lester	Whitley
Saunders, Hannah	Virginia
Sears, Ethel	Knox
Sewell, Cledith N.	Bell
Sharp, Mrs. Frank	Clay
Sheils, Edward Elliott	Boyd
Shifley, Mrs. E. M.	Knox
Shifley, Glenn M.	Knox
Slusher, Daphne	Knox
Smallwood, Katie	Clay
Smith, Alta	Knox

Name	*County or State*
Sproule, Evelyn	Knox
Spurlock, Alice	Clay
Spurlock, Estill M.	Clay
Spurlock, W. H.	Clay
Surgener, Prince	Knox
Taylor, Arliss O.	Whitley
Taylor, Lillie Mae	Harlan
Terrell, Amanda	Whitley
Terrell, Claude B.	Whitley
Terrell, Robert Steely	Whitley
Terrell, Woodrow La Mance	Whitley
Terry, Douglas	Whitley
Thompson, Millard	Knox
Treadway, J. E.	Laurel
Treadway, Prudy	Knox
Turner, Elbert C.	Knox
Turner, Rosa	Bell
Tye, Roberta Sears	Knox
Tye, Goldie	Knox
Tandy, Alva E.	Bell
Valentine Shellie	Knox
Vicars, Eula M.	Bell
Vincent, Maurice	Knox
Wagers, Evelyn	Clay
Webb, Ezra	Clay
Webb, Pearl	Whitley
White, Hazel	Harlan
Wilder, Edna	Laurel
Williams, Clyde	Knox
Williams, Mrs. Cora	Bell
Williams, Stella	Knox
Williams, Willie	Harlan
Wilson, Daniel G.	Bell
Withrow, Ellen	Bell
Woolum, Inez	Knox
Young, Charlotte R.	Whitley

REGULAR EXTENSION 1930-1931

Adams, Bertha	Whitley
Alfred, Joe	Harlan
Anders, Eunice	Whitley
Ballou, Frances	Harlan
Barker, Ruth	Harlan
Bays, Mrs. Carrie	Harlan

Name	*County or State*
Blackburn, Lorene	Harlan
Brittain, Frank Henry	Harlan
Buton, Margaret Frances	Harlan
Carter, Ralph	Harlan
Caton, Florence J.	Bell
Cawood, George Pope	Harlan
Cawood, James Abram	Harlan
Chumley, Chas. C.	Harlan
Dunn, Cleo	Whitley
Ellison, Cora	Bell
Ellison, Vaudie V.	Bell
Farley, Hurlen	Harlan
Fritts, Mrs. Nell	Harlan
Gabbard, Mossie Asher	Bell
Giles, Henry J.	Harlan
Golden, Gladys	Knox
Greene ,Leighton	Harlan
Greene, Mollye	Bell
Greene, W. A.	Bell
Hampton, Jas. B.	Knox
Hearne, J. D.	Whitley
Helton, Robert	Harlan
Higgins, James M.	Harlan
Hill, Mrs. Roy	Harlan
Howard, Nola	Bell
Howard, Willis	Harlan
Huff, Crusoe	Harlan
Huff, Rayma M.	Harlan
Johnson, Maude Mae	Harlan
Jones, Mrs. Bertha W.	Whitley
Jones, Hattie L.	Harlan
Jones, Willard	Harlan
King, G. P.	Harlan
Kirby, Docia K.	Harlan
Lawson, Bentley	Harlan
Marshall, Mrs. C. W.	Harlan
Marshall, Effie Mae	Bell
Mauney, Beulah	Whitley
Meccia, Mary	Harlan
Mitchell, Bess M.	Harlan
Mullins, Margaret Mary	Harlan
Muncy, Clara Pearl	Whitley
Murray, Nannie	Bell
Nichols, Elizabeth	Harlan
Osborne, R. C.	Virginia

Name	*County or State*
Roach, Nelle H.	Bell
Roaden, Ova G.	Harlan
Rodgers, Jerome	Harlan
Sasser, Alice	Harlan
Smith, Bert	Harlan
Smith, Mrs. Bert	Harlan
Spencer, Mrs. R. T.	Harlan
Spillman, Elizabeth Iris	Harlan
Tallent, Bernard C.	Whitley
Tandy, Alva	Bell
Taylor, Arliss Ohler	Whitley
Taylor, Clara M.	Harlan
Taylor, Roy B.	Harlan
Terrell, Robert Steely	Whitley
Thomas, Juanita	Whitley
Vowell, Fay	Harlan
Young, Evelyn	Whitley

1930 SUMMER SESSION EXTENSION

Baker, Daisy D.	Clay
Bolton, Mrs. J. R.	Whitley
Bowling, Abraham	Clay
Brigman, W. W.	Clay
Burchell, Robt. White	Clay
Campbell, Robert	Clay
Chesnut, Clarence	Clay
Colson, Gillis	Clay
Combs, Bert	Clay
Corum, G. W.	Clay
Cottongim, Amanda	Clay
Dobson, Edgar	Clay
Dobson, Ora	Clay
Hensley, Theo	Clay
Hoskins, Addie	Clay
Lewis, McCoy	Clay
Lyttle, Nelle Garrard	Clay
Rawlings, Stella	Clay
Sizemore, Delora	Clay
Sizemore, James	Clay
Spurlock, Mrs. W. H.	Clay
Stivers, Pitman C.	Clay
Swofford, Opha	Clay
Wagers, Earl	Clay
Wagers, W. O.	Clay

Name	*County or State*
Walters, Jan R.	Clay
White, Statia Buchanan	Clay
York, Bessie	Clay

SUMMARY OF ENROLLMENT

1930-1931

	First Semester			Second Semester		
	Men	*Women*	*Total*	*Men*	*Women*	*Total*
Freshman	55	47	102	75	116	191
Sophomores	23	28	51	39	39	78
Juniors	22	17	39	22	22	44
Seniors	22	9	31	29	12	41
Special	5	6	11	5	4	9
Total	127	107	234	170	193	363

Total Different Students Enrolled During First and Second Semesters:

Freshmen	218
Sophomores	90
Juniors	54
Seniors	43
Special	17
Total	422

Number who withdrew during or at end of first semester: 56

Number who were not enrolled first semester who entered during second semester: 206.

SUMMER SESSION 1930

Men	*Women*	*Total*
81	123	204

REGULAR EXTENSION

Men	*Women*	*Total*
25	43	68

SUMMER SESSION EXTENSION

Men	*Women*	*Total*
17	11	28

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LEXINGTON, KY.

OL. XI., NUMBER 1 JUNE, 1932

Union College
Bulletin of Information

ANNUAL CATALOGUE

1932 - 1933

PUBLISHED MONTHLY BY
Union College
Barbourville, Ky.
Entered as second class matter at post office at Barbourville, Ky.

Under Act of Congress, August 24, 1912

Official Recognition

Member of
Association of Kentucky Colleges and Universities

Member of
Association of American Colleges

Member of
University Senate Methodist Episcopal Church

Accredited as a Standard Four Year College by The University of Kentucky and by the Department of Education of the State of Kentucky.

Member of
Association of Colleges and Secondary Schools of the Southern States.

THE GYMNASIUM

L. XI., NUMBER 1 JUNE, 1932

Union College
Bulletin of Information

ANNUAL CATALOGUE
1932 - 1933

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Calendar 1932

JANUARY						
S	M	T	W	T	F	S
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Calendar 1933

JANUARY						
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MAY						
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AUGUST						
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SEPTEMBER						
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OCTOBER						
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NOVEMBER						
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DECEMBER						
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24	25	26	27	28	29	30
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CALENDAR FOR THE COLLEGE YEAR

1932

SUMMER SESSION

June 6, Monday—First Summer Term begins.
July 9, Saturday—First Summer Term ends.
July 11, Monday—Second Summer Term begins.
August 13, Saturday—Second Summer Term ends.

FIRST SEMESTER

September 8, 9, 10—Thursday, Friday, Saturday—Freshmen Instruction and Registration.
September 12, Monday—Registration for Sophomores, Juniors, and Seniors.
September 13, Tuesday—Class Work begins.
November 7, Monday—Mid-Semester Examinations begin.
November 24, Thursday—Thanksgiving Day—Holiday.
December 17, Saturday—Christmas Vacation begins at 12 M.

1933

January 2, Monday—Recitations Resumed at 8 A. M.
January 26, 27, 28—First Semester Examinations.

SECOND SEMESTER

January 30, Monday—Second Semester begins.
February 21, Tuesday—Semi-Annual Meeting of Board of Trustees.
March 27, Monday—Mid-Semester Examinations begin.
March 31, Friday— 3:50 P. M., Spring Vacation begins.
April 3, Monday—Registration for Spring Term.
April 4, Tuesday—Recitations Resumed at 8:00 A. M.
May 29, 30, 31—Second Semester Examinations.
May 28, Sunday—Baccalaureate Sermon.
May 31, Wednesday—The Fifty-fourth Commencement, 10:30 A.M.

SUMMER SESSION

June 5, Monday—First Term begins.

BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

Bishop H. Lester Smith ..... Chattanooga, Tenn.
President John Owen Gross ..... Barbourville, Ky.
Rev. D. C. Johnson ..... Ashland, Ky.
Rev. H. E. Trent ..... Covington, Ky.
Rev. Thos. B. Ashley ..... Louisville, Ky.

CLASS No. 1—TERM EXPIRES IN 1932

Rev. C. E. Vogel ..... Harlan, Ky.
A. S. Morgan ..... Russell, Ky.
Rev. John W. Potter ..... Oskaloosa, Iowa

CLASS No. 2—TERM EXPIRES IN 1933

Rev. S. C. Rice ..... Louisville, Ky.
Hon. James D. Black ..... Barbourville, Ky.
*Henry Payne ..... Grays, Ky.

CLASS No. 3—TERM EXPIRES IN 1934

Rev. J. R. Wood ..... Maysville, Ky.
A. M. Decker ..... Barbourville, Ky.

CLASS No. 4—TERM EXPIRES IN 1935

A. B. Cornett ..... Harlan, Ky.
Rev. E. P. Hall ..... Ashland, Ky.
Rev. John L. Tilton ..... Louisville, Ky.

CLASS No. 5—TERM EXPIRES IN 1936

C. B. Nordeman ..... Louisville, Ky.
Harry E. Bullock ..... Lexington, Ky.
Rev. E. R. Overley ..... Louisville, Ky.

CLASS No. 6—TERM EXPIRES IN 1937

Rev. W. W. Shepherd ..... Louisa, Ky.
*D. M. Humfleet ..... Barbourville, Ky.
Hon. Alvis S. Bennett ..... Hartford, Ky.

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*Alumni Representatives

OFFICERS OF BOARD OF TRUSTEES

C. B. Nordeman, *President* .....Louisville, Ky.

Rev. E. P. Hall, *Vice President* .....Ashland, Ky.

Hon. Alvis S. Bennett, *Secretary* .....Hartford, Ky.

James F. Blair, *Treasurer* .....Barbourville, Ky.

COMMITTEES

Buildings and Grounds

A. M. Decker
James D. Black
C. E. Vogel
A. B. Cornett
Henry E. Payne
John L. Tilton

Executive Committee

A. M. Decker
James D. Black
H. E. Bullock
C. E. Vogel

Development Committee

E. R. Overley
C. B. Nordeman
John W. Potter
Harry E. Bullock

Endowment Committee

Harry E. Bullock
James D. Black
Alvis S. Bennett
E. P. Hall

Education Committee

J. R. Wood
Bishop H. Lester Smith
S. C. Rice
D. M. Humfleet
Henry E. Payne

Finance Committee

Alvis S. Bennett
C. B. Nordeman
E. R. Overley
W. W. Shepherd
A. S. Morgan

ADMINISTRATIVE OFFICERS

John Owen Gross
President

Maurice F. Seay
Dean of the College and Registrar

Charles R. Wimmer
Dean of Men

Miss Claribel R. Eaton
Dean of Women

Mrs. Arva Stackhouse
Librarian

John Lowe Fort
Assistant to the President Supervising Finance

James F. Blair
Treasurer

Miss Christine M. Dux
Secretary to the President

E. A. Bender
Superintendent of Buildings and Grounds

THE FACULTY

JOHN OWEN GROSS, S. T. B., D. D.
President

Acting Francis Landrum Memorial Professor of Bible and Moral Philosophy and Head of the Department of of Bible and Moral Philosophy.

A. B. Asbury College, 1918; S. T. B., Boston University, 1921; other graduate study: one quarter, University of Cincinnati, 1929; one six weeks summer term, University of Kentucky, 1929; D. D. Asbury College, 1930.

MAURICE F. SEAY, A. B., A. M.
Dean of the College.

Professor of Education and Head of the Department of Education.

A. B. Transylvania College, 1924; A. M., ibid., 1926; other graduate study: one quarter, University of Kentucky, summer 1929; five quarters, University of Chicago, summers 1926, 1927, 1930, and the year 1929-1930.

ABIGAIL E. WEEKS, A. B., A. M.

Professor of English Literature.

A. B., Dickinson College, 1905; A. M., Columbia University, 1920; other graduate study: fourteen weeks, State College of Pennsylvania.

I. B. PEAVY, M. E., M. Pd., M. S.

Professor of Biology Emeritus.

B. E., Edinboro State Normal School, 1891; M. E., ibid., 1893; M. Pd., ibid., 1904; M. S., Taylor University, 1908.

ARTHUR M. HYDE, A. M., Ph. D.

Professor of History and Head of the Department of History

A. B., Yale University, 1889; A. M., ibid 1894; Ph. D., University of Illinois , 1927.

WAYNE T. GRAY, B. S., A. M.

Professor of Economics and Sociology and Head of the Department of Social Science.

B. S., University of Nebraska, 1922; A. M., University of Wisconsin, 1928: other graduate study: 1928-1929, nine weeks summer school 1929, 1929-1930, University of Wisconsin.

NANCY MYERS, A. B., A. M.

Professor of French and Head of the Department of French.

A. B., Berea College, 1913; A. M., Columbia University, 1923; other graduate study: eight weeks summer term, University of Besancon, France, 1921; six weeks summer term, Sorbonne, Paris, France, 1926; Diplome de professeur de francais, University of Toulouse, 1925-1926; seven weeks summer term, Middlebury College, 1930.

CHARLES R. WIMMER, M. S., PH. D.

Dean of Men

Professor of Chemistry and Head of Department of Physical Science.

B. S. Allegheny College, 1923; M. S., Ohio State University, 1925; Ph. D., University of Cincinnati, 1932; graduate study, Yale University, 1928-1929.

HARWELL P. STURDIVANT, B. S., A. M.

Professor of Biology and Head of the Department of Natural Science.

B. S., Emory University, 1925; A. M., ibid., 1926; other graduate study: two years, Columbia University, 1926-1931.

BYRON H. GIBSON, A. M., PH. D.

Professor of English and Head of the Department of English.

A. B., Birmingham-Southern College, 1928; A. M., University of Illinois, 1929; Ph. D., ibid., 1931.

J. R. BACON, A. B.

Professor of Physical Education and Head of the Department of Physical Education.

A. B., Kentucky Wesleyan, 1926; graduate study: six weeks summer term, University of Kentucky, 1928; six weeks summer term, University of Iowa, 1929.

MEREDITH G. CARPENTER, A. B., A. M.

Associate Professor of Education and Director of College Extension.

A. B., Western Kentucky State Teachers College, 1924; A. M., Columbia University, 1929.

ROY L. RUTH, Th. B., S. T. M.

Associate Professor of Bible and Moral Philosophy.

A. B., Asbury College, 1926; Th. B., Lane Seminary, 1929; S. T. M., Pacific School of Religion, 1930.

MRS. ARVA STACKHOUSE, A. B., A. M.

Librarian

A. B., Franklin College, 1918; University of South Carolina, 1924-1925; University of North Carolina, Summers 1927, 1929; Duke University, Summer 1928; A. M. ibid., 1929; Columbia University, Summer 1930.

GEORGIA M. HASWELL, A. B.

Instructor in Mathematics and Physics.

A. B., Ohio Wesleyan, 1926; graduate study: Ohio Wesleyan, 1929-1930; three quarters, Ohio State University, 1929, 1930, 1931.

CLARIBEL R. EATON, A. B., A. M.

Dean of Women.

Instructor in English.

A. B., American University, 1929; A. M., George Washington University, 1931.

KATHERINE VAN DEUSEN SUTPHEN

Instructor in Piano and Voice.

Graduate, Soloist's Diploma, New England Conservatory of Music, Boston, Mass.; University of Illinois, summers 1919-1920; Organ under Dr. J. Lawrence Erb; University of Nebraska, summers, 1921, 1922; University of Washington, D. C., summer, 1924; Graduate and Certified Teacher of "Godowsky's Progressive Series," Art Publication Society, St. Louis, Mo.

JOHN A. DOTSON, A. B., A. M.

Associate Professor of Education in Summer Sessions.

A. B., Georgetown College, 1922; A. M., University of Kentucky, 1931.

ESTHER E. GILMORE, A. B., M. S.

Instructor in Natural Science.

A. B., Fletcher College, 1924; M. S., University of Michigan, 1930.

EMERSON G. COBB, A. B., M. S.

Instructor of Physical Science in Summer Session.

A. B., Union College, 1928; M. S., University of Kentucky, 1930.

HISTORY OF UNION COLLEGE

Union College was founded in 1879 by a group of progressive citizens of Barbourville. They formed a stock company and by donation secured the main part of the present campus. In 1880 the first building was formally opened on the site of the present Administration Building. Mr. A. H. Harriett, who was instrumental in the organization of the school, was its first Principal. The local group soon discovered that the debt for the new building was too great for them to carry, and accordingly, in 1886 the buildings and property were ordered sold by the court. The Rev. Daniel Stevenson, the President of Augusta Collegiate Institute at Augusta, Kentucky, was then looking for a new location to establish a college. He became interested in Union College, and in 1886 purchased the property for the Board of Education, Kentucky Conference, Methodist Episcopal Church. He became the first President under the new management and during his term was instrumental in enlisting the friendship of Mrs. Fanny Speed, who later left the College a legacy that guaranteed its permanence.

Dr. Stevenson ranks as one of Kentucky's foremost educators. He was graduated from Transylvania University when Dr. Henry Bascom was its President. As a member of the Kentucky Conference, Methodist Episcopal Church, South, he was one of the leaders that helped in founding Kentucky Wesleyan College, Winchester, Ky. In 1863 he was elected the first full-time superintendent of public instruction in Kentucky and exercised a wide influence in popularizing public education throughout the state. He brought this mature experience to Union College and placed its objectives in clear view.

Upon the death of President Stevenson, the Reverend James P. Faulkner, a member of the first graduating class of Union College, was elected to succeed him. During the administration of President Faulkner the college came into possession of the bequest of Mrs. Fanny Speed, and from that time the expansion was marked. During the same administration Fanny Speed Hall and the Central Heating Plant were planned and the work on the buildings was begun. These bulidings were not available for use, however, until the beginning of the next administration, that of Reverend James W. Easley, B. D., A. M., whose term of office began in 1905. The coming of the elective system and the broadening of the curriculum made a college program seem like an impossible task to those in charge. The college department was therefore discontinued in 1908, and for several years the institution was maintained only as an academy and

an elementary school. During the summer of 1906 the Administration Building was struck by lightning and burned. One year later it was replaced and Stevenson Hall, home for men, was also erected.

Upon the resignation of President Easley in 1910, the Hon. James D. Black, LL. D., of Barbourville, later Governor of Kentucky, became the fourth President of Union College. The two years of President Black's connection with the school are remembered as years of substantial growth.

For the next three years the school was under the leadership of President Percy L. Ports, who for several years had been Professor of Natural Science. He was followed by the Rev. E. R. Overley, who served as Acting President. This was the period in which the nature of the work that Union College should do in the future was being determined.

In 1915 the Board of Education of the Methodist Episcopal Church, through its corresponding secretary, Dr. Thomas Nicholson, now one of the Bishops of the Church, became interested in Union College and assisted the Board of Education of the Kentucky Conference in planning for its future. The Rev. Ezra T. Franklin, elected president in the same year, worked in close cooperation with the Board of Education of the Methodist Episcopal Church and soon formulated a far-reaching and practical program. In 1919 the Memorial Gymnasium was built; in 1925 a home for the President was completed. A development program, inaugurated in 1921, helped to provide these improvements and materially aided in increasing the invested funds of the college. This financial campaign, together with the bequest of Mrs. Obed H. Wilson in 1927, of $50,000., for the establishing of a professorship known as the "Francis Landrum Professor of Ethics and Moral Conduct," and the increase in the value of endowment holdings, have lifted the invested securities to approximately $460,000. Under the administration of President Franklin, the college course was restored, and in 1927 the University of Kentucky gave Union College the rating of a Standard Four-year College of A Grade. Since then Union has been admitted to membership in the Association of Colleges and Universities of Kentucky in the Association of American Colleges, and in the University Senate of the Methodist Episcopal Church.

President Franklin severed his relationship with Union College November 15, 1928, to become President of Southwestern College, Winfield, Kansas. He was succeeded on February 1, 1929, by the Reverend John Owen Gross.

LOCATION

Union College is located in Barbourville, the county seat of Knox County, Kentucky, near the southeastern corner of the state. It is within thirty-five miles of the corner stone of three states, Kentucky, Virginia and Tennessee. Barbourville is a town of about 2,500 population, located in a broad valley at the confluence of Richland Creek and the Cumberland River. It is surrounded by low hills of the Cumberland Mountain range. The town has such modern conveniences as natural gas, water works, electric lights, and paved streets. There are Baptist, Disciple, Methodist, and Presbyterian Churches, and a fully accredited public school. Barbourville is located on U. S. Highway 25 E. Busses that make connections with points north and south pass through the town hourly. It is also on the Cumberland Valley Division of the Louisville and Nashville Railroad.

AIM AND PURPOSE

The constitution of Union College provides that it shall "devote its effort to the interest of Christian Education and to qualifying and equipping men and women to engage creditably in the various employments, callings, and avocations of peaceful and progressive society and to discharge honorably and usefully the various duties of life." The college is under the direction and control of the Kentucky Conference of the Methodist Episcopal Church. While this is true, it is not a sectarian school, but is endeavoring to render a service not only to its constituency in the Kentucky Conference, but also to the young people of the mountain territory in which it is located. Union College endeavors to maintain a Christian atmosphere by securing for its faculty those persons who can accept, heartily and without reserve, the ideals for which the school stands. In its chapel exercises and special religious meetings it emphasizes the importance of accepting Christ as a Personal Redeemer, Constant Guide, and Inspiring Ideal.

BUILDINGS

ADMINISTRATION BUILDING.—This building was erected in 1907 on the site of the one that was burned in 1906. It is a two-story, brick, trimmed with Tennessee marble, and contains the various class rooms and laboratories, the library and reading room, the chapel, and administrative offices. The ground floor has the kitchen and dining hall.

SPEED HALL.—Is a three-story, homelike building for young women. On the first floor there is a large parlor, an apartment for the Dean of Women and House Mother, a sewing room, and a laundry. It is heated with steam, has electric lights, gas, and running water.

STEVENSON HALL.—The dormitory for men, is a two-story brick building of colonial design. The rooms accommodate two students each. Some of the rooms have running water.

MEMORIAL GYMNASIUM.—This building was erected in 1919 as a Memorial to the Soldiers and Sailors of the World War. It contains a regulation basketball court, sanitary swimming pool, showers, lockers, and dressing rooms.

PRESIDENT'S HOME.—This is a beautiful two and a half story, brick building.

CAMPUS COTTAGE.—This, the oldest building on the campus, a frame cottage of six rooms, was erected and occupied by Dr. Stevenson during his Presidency.

CENTRAL HEATING PLANT.—All the buildings are steam-heated from this central plant.

CAMPUS

Union College is proud of its beautiful campus. The buildings, connected by cement walks, are attractively placed among some twenty different varieties of native trees. The athletic field, lying immediately back of the gymnasium, containing about four acres, affords ample room for football and other outdoor games. There are also five hard clay tennis courts.

LIBRARY

The library occupies three rooms in the Administration Building, including the reading room and two stack rooms. There are approximately 12,000 volumes. The books are classified according to the Dewey Decimal System, and indexed according to the rules of the Library of Congress. The library has been increased during the past four years through the purchase of new books and the gifts of books from many friends.

LABORATORY EQUIPMENT

BIOLOGICAL LABORATORY.—The Department of Biology occupies a large room on the second floor of the Administration Building. Accommodations are provided for about forty students. The equipment consists of standard dissecting sets, magnifying glasses, compound microscopes, etc.

CHEMISTRY.—A well lighted and well ventilated chemistry laboratory is provided with accommodations for seventy-two students at standard desks equipped with running water and natural gas. Distilled water is provided by a gas still. Three high grade analytical balances are provided for work in quantitative analysis. The stock rooms are amply supplied with apparatus and chemicals for all the courses offered.

PHYSICS.—The equipment includes the standard apparatus necessary to meet the requirements of a general college course. Included in the special equipment may be mentioned an Ingersol Eye Model, Anco Color Mixer, Knipps Alpha Ray Track Apparatus, and a Nelson Vacuum Pump.

GENERAL REGULATIONS

STUDENT CONDUCT.—Each student is expected to conduct himself at all times according to the rules of good society. Restrictions and regulations have been reduced to a minimum and these are intended to foster standards and ideals that emphasize the development of Christian character. Only young people who can work in harmony with the aim and purpose of Union College should apply for admission. In fact, students who are careless in conduct or wasteful of time and opportunity may be dismissed from the College.

SOCIAL LIFE.—The students are encouraged to accept every legitimate opportunity to engage in social affairs. The faculty appreciates the benefit and value growing out of well directed social activity. Student organizations, the faculty, and local churches make desirable contributions for the promotion of social life. All social functions, hikes, and picnics are chaperoned and subject to the rules and regulations of the College. Chaperones must be approved by the Dean of Women.

Residents of Speed Hall are allowed to receive visitors in the parlor by the permission of the Dean of Women, who may require the written consent of the parents whenever she may deem necessary. Times for social privileges and events are designated.

RESIDENCE.—All students who do not live with parents or relatives will room in the College dormitories unless given special permission by the President.

TOBACCO.—Students are forbidden to use tobacco on the campus of Union College.

INTOXICATING LIQUOR.—No intoxicating liquor shall be used by a student while he is enrolled in Union College. Any student violating this regulation will be required to withdraw from college.

CHAPEL ATTENDANCE.—All students are required to attend the regular chapel exercises of the College.

RELIGIOUS SERVICES.—Each student is expected to attend the church school and services of the church of his choice. It is also expected that students will attend the religious services under the direction of the College.

STUDENT ORGANIZATIONS

PLAY LIKERS.—A club devoted to the study of drama. It meets weekly and is open to all who have an interest in dramatics.

OXFORD CLUB.—An organization of the young men who are anticipating the ministry as their life work.

LIFE SERVICE CLUB.—This is for the students who are anticipating some service vocation for their life work.

Y. M. C. A. AND Y. W. C. A.—These are branches of the state organizations.

"U" CLUB.—This organization is for the athletes who have won letters on some varsity team.

GLEE CLUBS.—Separate clubs are maintained for men and women. They are open to all who are interested in vocal music.

BETA CHI ALPHA.—A club open to all girls to study the Fine Arts.

PUBLICATIONS

UNION COLLEGE BULLETIN.—An official monthly bulletin, the June issue of which is the catalogue number. This bulletin is sent free on request.

ORANGE AND BLACK.—This periodical, established in 1921, is a bi-weekly newspaper published by the students.

STESPEAN.—This year book, first issued in 1920, is published during early summer by the students of the college under junior editorship.

ATHLETICS

Union College observes the rules of the Southern Intercollegiate Athletic Association. The College promotes athletics for physical development and as a vital part of the program of extracurricular activities. In intercollegiate competition the college is represented by varsity and freshman teams in football and basketball.

Under the department of Physical Education schedules of intramural sports sports are conducted including volley ball, playground ball, tennis, field hockey, horseshoes, and basketball. It is the aim of the college to provide some form of athletic activity for each student.

FORENSICS

Teams are organized for debating. The work is under the direction of the instructor in public speaking. An annual oratorical contest was instituted during the current year.

PUBLIC MEETINGS

LYCEUM COURSES.—The college provides a course of entertainments during the year. These programs, furnished by a lyceum bureau, are scattered through both semesters.

LECTURES.—Occasional lectures are given by prominent visitors. During the year two ministers of wide experience with young people spend a week in special religious services. Some of the speakers who have addressed the students this past year are:

Bishop H. Lester Smith, Chattanooga, Tenn.
Rev. J. Lloyd Decell, Jackson, Miss.
Rev. G. M. Haggard, Pineville, Ky.
Rev. J. F. Hoffman, Cincinnati, Ohio.
Rev. S. K. Hunt, Pikeville, Kentucky.
Rev. J. B. Jones, Corbin, Kentucky.
Rev. James T. McGarvey, Barbourville, Ky.
Rev. James Shera Montgomery, Chaplin, House of Representatives, Washington, D. C.
Rev. Worth S. Peters, Barbourville, Ky.
Rev. F. E. Ross, Covington, Ky.
Rev. Cecil D. Smith, Columbus, Ohio.
Rev. J. H. Stafford, Barbourville, Ky.
Rev. C. M. Thompson, Jr., Barbourville, Ky.
Rev. J. L. Tilton, Louisville, Ky.
Rev. C. E. Turley, Marion, Ohio.

Pres. H. C. Donovan, Eastern Teachers College, Richmond, Ky.
Pres. W. J. Hutchins, Berea College, Berea, Ky.
Pres. C. J. Turk, Centre College, Danville, Ky.

Dean P. P. Boyd, University of Kentucky, Lexington, Ky.
Dean W. S. Taylor, University of Kentucky, Lexington, Ky.

Supt. J. W. Bradner, Pres., K. E. A., Middlesboro, Ky.
Supt. John A. Dotson, Benham, Ky.
Supt. N. M. Hill, Williamsburg, Ky.
Supt. H. E. Lehman, Red Bird Mission, Beverly, Ky.

Prof. Boyd H. Bode, Ohio State University, Columbus, Ohio.
Prof. J. Catron Jones, University of Kentucky, Lexington, Ky.
Prof. E. M. Gable, Physicist, Chicago, Illinois.
Prof. R. E. Jaggers, Supervisor, Rural Education, Dept. of Education, Frankfort, Ky.

Mr. H. H. Owens, Barbourville, Ky.
Hon. J. M. Robison, Formerly U. S. Senator, Barbourville, Ky.
Mr. Kenneth H. Tuggle, Barbourville, Ky.

Dr. C. D. Cawood, Barbourville, Ky.
Dr. H. L. Heim, Beverly, Ky.
Dr. S. A. Overstreet, Louisville, Ky.

Miss Alpha Miller, Rhodesia, Africa.

HEALTH

Through the Department of Physical Education, Union College attempts to give aid to all students in matters concerning their health. At the beginning of each semester thorough physical examinations are given by physicians designated by the College. This examination which is free to the student is compulsory. Any student who will not submit to the examination cannot remain in college. Individual conferences are held with all students whose examinations reveal any physical defects and advice is given. The results of this examination are also used in determining what part students can take in the athletic and physical education programs.

EXPENSES

Union College is operated very economically and the expenses are reduced to a minimum. However, what a student pays represents but about one-third of the cost entailed for his education. The difference must be procured from the invested resources of the College. The low charges enable young people to secure an education who could not do so if they were compelled to pay the entire expense. In order to keep the atmosphere democratic and congenial, Union College requests parents to furnish only a limited amount of spending money. It also desires simplicity and modesty in dress.

FEES

TUITION.—The college year, extending over thirty-six weeks, is divided into semesters of approximately eighteen weeks each.

Tuition for semester.....$50.00

Less than ten hours will be charged for at the rate of $4.00 an hour.

LABORATORY.—Laboratory fees to cover cost of materials used and wear on apparatus are charged in connection with courses in Natural and Physical Science as follows:

Chemistry 151-152 .....$4.00 a semester
Breakage fee (unused portion refunded) .....$2.00 a semester
Chemistry 262, 241, 234 .....$6.00 a semester
Breakage fee (unused portion refunded) .....$2.00 a semester
Physics .....$4.00 a semester
Biology, all laboratory courses .....$4.00 a semester

MUSIC.—Charges for private lessons in Piano, Voice, Violin, or other orchestra instruments will be as follows: For one semester of eighteen weeks:

Two half-hour lessons a week $30.00
One half-hour lesson a week $18.00

High school or grade school pupils in Barbourville may take the junior course in Piano at the following rates:
For one semester of eighteen weeks, two quarter-hour lessons a week $10.00
Practice pianos may be rented at $4.50 each semester.

SPECIAL EXAMINATIONS.—Each $1.00

No late registration fee is charged, but students who enter one week after the semester begins must make up the work and take special examinations.

GRADUATION FEE.—Due on May 1 .....$10.00

Any student who has reasonable excuse for not attending the Commencement exercises may receive his diploma in absentia, provided he pays a fee of $10.00, in addition to the regular graduation fee.

STUDENT ACTIVITY FEE.—The funds for the support of student activities are collected through the college office in two semester payments of $8.00 each. This fee may be waived if a student is not in college for a full semester or if the student's tuition is paid by the semester hour. These fees have been appropriated as follows: athletic fee, entitling the student to admission to all games, subscription to the college paper, entertainment courses, including special speakers, and special programs.

CAUTION DEPOSITS.—A caution deposit of $5.00 is required from all dormitory students on entrance. Failure to return keys or pay library fines, damage to college properties, etc., will be deducted from this fund. The balance is refunded to the student at the close of the year, or, in case of withdrawal from college, at the time of leaving. The claim for refund should be presented to the Treasurer with a certification from the proper officials as to the amount due.

RESIDENCE.—Dormitories must be filled before permission will be given to students to room out in town.

A charge of $1.00 each semester is made to the women in Speed Hall for use of the laundry.

Board and room for occupants in Speed and Stevenson Halls will be $90.00 per semester.

SETTLEMENT OF FEES AND BILLS

All tuition and other fees must be paid or arranged for on the opening day of each semester. Class cards will be issued only upon certification from the Treasurer that this has been done. Parents desiring to remit directly to the Treasurer should send their checks in advance. Tuition fees and room rent will in no case be refunded except for protracted illness, certified to by a physician. Final examinations will not be given nor transcripts of college credits issued to students who are in arrears in payment of bills.

SUMMARY OF EXPENSES FOR EACH SEMESTER

Tuition $50.00
Activity Fee .....$ 8.00
Board and Room $90.00

Total for semester, exclusive of laboratory fees, $148.

BOARDING STUDENT'S OUTFIT

Boarding students should bring the following articles: Large pillow slips, sheets, pair of blankets, quilt, counterpane, towels, napkins, and covers for bureau and washstand.

SELF-HELP

Many students earn a part of their way through school. They do this by working through the summer vacation, by rendering certain services at the college residences, in the dining room and kitchen, at the heating plant, and in the library, or by working in the stores, offices, and residences of Barbourville. The college authorities are willing to help worthy young men and women in their effort for an education. Students who are able to pay their way should not make application for help, but should leave these positions for those who cannot go to college without assistance. All student workers are expected to give in service full value for the help they receive.

SCHOLARSHIPS

THE JOSHUA S. AND ELIZABETH TAYLOR SCHOLARSHIPS.—The Rev. Joshua S. Taylor and Mrs. Elizabeth Taylor of Middleburg, Ky., left to Union College the sum of $3,100., the income of which is to be used to help some needy young men studying for the ministry in the Methodist Episcopal Church of Kentucky.

JOHN A. AND HANNAH BLACK SCHOLARSHIPS.—The late John A. Black, one of the founders of Union College, left $5,000. to the college, the income to be used for scholarships for young people who are preparing for some form of Christian work.

LOAN FUNDS

CHILDRENS DAY FUND.—The Board of Education of the Methodist Episcopal Church appropriates a small amount each year from the Children's Day offerings to the College to lend to worthy young people who are members of the Methodist Episcopal Church.

ELIZABETH GATES MEMORIAL LOAN FUND.—This was established in 1930 by Mrs. Waldo Brown of Knoxville, Tenn., in memory of the mother of John C. Gates, a former student at Union College. The loan is available in 1932 to ministerial students for help in their senior year.

ADMISSION

All applicants for admission to Union College must present satisfactory evidence of their previous academic training and of good character. Blanks for application for admission and for transfer of high school units may be secured by writing to the President of Union College. It is not possible to classify students accurately or to arrange a satisfactory and well articulated program unless certified entrance units and official transcripts of previous college work are on file at the college before registration. Transcripts brought by students are not considered as official. Applicants who are accepted will be classified, depending upon previous training, as freshmen, as students with advanced standing, or as special students.

ADMISSION TO FRESHMAN CLASS.—An applicant for admission to the freshman class must submit fifteen units of standard high school work. Conditional students are not admitted. Five of the fifteen units are prescribed as follows:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit

The ten elective units may be chosen from the following list:

English	½ to 1	Chemistry	1
French	1 to 3	General Science	½ to 1
German	1 to 3	History	½ to 4
Latin	1 to 4	Sociology	½
Spanish	1 to 3	Economics	½
Advanced Arithmetic	½ to 1	Psychology	½
Advanced Algebra	½ to 1	Social Sc. Prob. Course	½ to 1
Solid Geometry	½	Civics	½ to 1
Trigonometry	½	Bible	½ to 1
Physics	1	*Bookkeeping	1
Physical Geography	½	Shorthand	1
Biology	½ to 1	Domestic Science	1 to 2
Botany	½ to 1	Manual Training	½ to 2
Hygiene	½ tol	Mechanical Drawing	½ to 1
Zoology	½ to 1	Music	½ to 1
Physiology	½ ot 1	Agriculture	½ to 2

*Not more than four units may be offered in Bookkeeping and the vocational subjects listed after it, and other subjects not listed.

Applicants who have earned at least fifteen units of high school work which are satisfactory for entrance may be admitted by one of the following plans:

(1) *Admission by certificate.*—Graduates of high schools in Kentucky that are accredited by the Association of Colleges and Universities of Kentucky, and graduates of high schools of other states that are accredited by some recognized agency are admitted to the freshman class without examinations.

(2) *Admission by examinations.*—Applicants who are graduates of non-accredited high schools, and applicants who submit a minimum of fifteen credits from accredited high schools but who are not graduates are required to pass entrance examinations in four subjects, including English, Mathematics, and two subjects of at least one unit each, selected by the student.

ADMISSION TO ADVANCED STANDING.—Applicants who desire admission with advanced standing must present credits from an accredited junior college or from a standard college or university. The transcript of credit must show that the applicant has been honorably dismissed and that entrance requirements of Union College have been met. The credit to be allowed and the classification given will be determined by the Dean in conference with the Heads of the departments concerned. All credit allowed is tentative until the candidate has proven himself capable of pursuing the advanced courses entered.

ADMISSION AS A SPECIAL STUDENT.—It is very desirable that all students continue their studies to graduation. Even when a student does not expect to graduate, it will usually be wise to pursue one of the regular courses while in college. Irregular selection of studies will not be permitted without good reason. However, applicants who are persons of mature years, who give evidence of well defined purpose, and who desire to pursue some special line, or lines, of work without becoming candidates for a degree, may be admitted as Special Students. Such students are subject to the same regulations as other students with regard to the quality of work done and attendance upon college exercises.

FRESHMAN INSTRUCTION AND REGISTRATION

Three days are set aside immediately preceding the opening of college for special instruction and registration of freshmen. All applicants for admission to the freshman class are expected to be present September 8, 1932 and to report for each meeting during the three-day period. During this period freshmen are given health examinations, and psychological and placement tests. Freshmen who are not present for these tests will be required

to take them later. Instructions are also given concerning the requirements of the curriculum, methods of using the library, regulations of the student-body, etc. An informal "social" and some unorganized athletics will also be a part of the three-day program.

CLASS AND CHAPEL ATTENDANCE

The following regulations govern class and chapel attendance:

1. Regular attendance in all classes and at chapel is required.
2. Students will be held responsible to the departments in which they are enrolled for all work missed because of absence. Final class marks will not be given unless the work missed is made up in a manner satisfactory to the instructor.
3. Absence from classes, preceding or following holidays or regular vacations shall receive double penalty. This rule applies to first and second consecutive absences preceding or following holidays or vacations.
4. Three unexcused tardy attendances shall be considered equivalent to one absence and shall be reported as such. Excuses for tardy attendances may be granted only by the instructor.
5. For each uncancelled absence from a regular class, one-tenth (.10) will be deducted from the credit value of the semester's work, except that a student may have without penalty as many uncancelled absences as the number of semester hours of the course. Such absences should be used with discretion for emergency absences that are not subject to cancellation.
6. Absences may be canceled in the case of students who represent the college out of the city when the absence is approved by the proper official. Prior to such absence the name or names, endorsed by the proper person, must be submitted in writing by coach or instructor in charge to the Dean and his consent given. Absences due to illness for one week or more may be cancelled, if application for cancellation is accompanied by a physician's certificate or by a recommendation from the official of the residence in which the student lives. Absences incurred on account of death in a student's immediate family may be cancelled.
7. All requests for cancellations must be presented by the student to the Registrar in writing within a week after the

student returns to classes. Such requests must include the date of absence, the name and number of the course, the name of the instructor and the reason for absence.

8. The maximum number of cancellations allowed will not exceed twice the number of semester hours in the course.

9. When a student has accumulated in any course a total of four uncancelled absences for each hour's credit of the course he is automatically dropped from the course. If a total of 30 uncancelled absences in all courses is accumulated in any semester the student will be automatically suspended from college.

10. Absences will be counted from the first meeting of the class. The number of cancelled and uncancelled absences allowed may be used for absences that are due to late enrollment. If all uncancelled absences allowed without penalty are not used during a semester, the number of cancelled absences allowed may be extended by equal amount.

11. In case absences cause a student to fall below 12 semester hours per week, the student is suspended from all college activities for the remainder of the semester and may remain in college only by special permission from the Dean.

12. Students who are absent from a test must take a special examination or receive a grade of zero in that test. Unless the absence is cancelled, a fee of $1.00 is charged for each special test.

13. Exceptions to these rules may be made only by unanimous action of the faculty.

14. All the above regulations will also apply to chapel attendance.

EXAMINATIONS AND REPORT OF MARKS

Examinations are held at the close of each semester. Tests are held at mid-semester and at various times during each semester as the instructors may determine. Mid-semester and final marks are reported by the instructors to the Registrar who compiles at mid-semester and at the close of each semester for each student a report of the marks made. One copy of this report is given to the student and one copy is sent to the parents or guardian. Only the final marks become a part of the permanent record. Test and examination marks together with the daily marks constitute the final mark.

THE MARKING SYSTEM AND QUALITY POINTS

Marks are reported in letters as follows:

A.—Represents distinctly superior work, valued at three quality points for each semester hour.

B.—Represents better than average work, valued at two quality points for each semester hour.

C.—Represents average performance, valued at one quality point for each semester hour.

D.—Represents unsatisfactory but passing work, valued at 0 quality points.

E.—Indicates conditional work. An "E" may be removed by bringing up back work or by passing a special examination; otherwise it becomes an "F" automatically. A condition incurred during the first semester may be removed on or before the following March 15th. A condition incurred during the second semester or summer session may be removed on or before the following October 15th. A student is allowed only one examination to remove a mark of "E."

F.—Indicates failure with 0 credits and 0 quality points. This mark cannot be removed or changed except by repeating the course.

I.—Indicates that some required work of the course has not been completed. The same regulations for removal of a mark of "E" applies for removal of a mark of I.

W.—Indicates that the student withdrew from the course before the fourth week of school with the consent of the Dean and instructor of the classs. If a student withdraws from a course after the third week, a mark of F is given. A student cannot at any time after registration withdraw from a course except by permission from the Dean, and after the first week of the semester permission must also be secured from the instructor of the class.

SCHOLARSHIP PROBATION

Freshmen and Sophomores are placed upon probation if at mid-semester or at the end of a semester the standing is below .5 (five tenths). The same regulations apply to Juniors and Seniors who make a standing below .7 (seven tenths). Probation is removed when the student makes at mid-semester or at the end of a semester a standing of 1. Probation means that the student may be placed upon a minimum schedule and be barred from all extra-curricular activities. If while on probation the standing at the end of any month is considered unsatisfactory by the faculty, the

student will be required to withdraw from school. The permanent records and all transcripts of students who are placed on probation will contain a statement of the probation if the deficiencies have not been removed at the time the students withdraw from college.

CLASSIFICATION

For Sophomore and Junior classification at the beginning of the school year, a student must register for sufficieent work to have a total of 54 and 88 semester hours credit respectively at the end of the school year. For Senior classification a student must register for sufficient work to have a total of 124 semester hours at the end of the school year or summer session, and at the beginning of the Senior year the quality points must equal the number of quantity credits already obtained. Students are not reclassified at the beginning of the second semester.

STUDENT LOAD

The average amount of work regularly required of each student is fifteen hours a semester, exclusive of physical education. No student may register for less than twelve semester hours or more than seventeen semester hours, exclusive of physical education, without special permission of the committee on advanced standing.

REQUIREMENTS FOR GRADUATION

Union College offers courses leading to the degrees of Bachelor of Arts and Bachelor of Science in Education.

THE DEGREE OF BACHELOR OF ARTS.—The degree of Bachelor of Arts will be conferred when a student has completed 124 semester hours with a minimum of 124 quality points, including the required work and a major and two minors to be chosen by the student not later than the beginning of the junior year. The last 30 hours of the course must be earned in residence in this institution.*

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*Under certain conditions, such as entering a professional school at the end of the junior year, a student may be exempted by the Faculty from this regulation. Students who have earned as much as fifty semester hours at Union College may be given special permission to graduate with only the last twenty hours earned at this institution.

The general requirements of all candidates for this degree, listed acording to departments, are:

Bible and Moral Philosophy.—Six hours in Bible and three hours in religious education.

Education.—Elementary psychology.—three hours.

English.—Freshman composition.—six hours; English literature—six hours.

Foreign Language.—Fourteen hours—However, only six semester hours are required for students who present for entrance two or three units in one or two foreign languages and who successfully carry the second year of a college foreign language. No foreign language is required of students who present for entrance four units in one or two foreign languages.

History.—Six semester hours.—If neither a course in modern history or United States history is offered for entrance these six hours must be taken in one of these subjects or in English history.

Natural Science or Physical Science—Eight to ten hours of laboratory work in the same course.

Physical Education.—Four semester hours.

Social Science.—Six hours.—Introduction to Social Science.

THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.—The degree of Bachelor of Science in Education will be conferred when a student has completed 124 semester hours, with a minimum of 124 quality points, including the required work and one professional major and two teaching majors. The required work is the same as that for the Bachelor of Arts degree, except that no requirement is made in foreign languages. The professional major, consisting of 24 hours, must be approved by the Head of the Department of Education. One of the teaching majors consisting of 24 hours, must be taken in a specific department. The other teaching major, consisting of from 24 to 30 hours, may be taken either in a specific department or in one of the following combinations of departments: Social Science and History; Natural Science and Physical Science; English and History; English and French. If one of the combinations is chosen, approval for specific courses must be given by the Dean and the Head of the department in which a majority of the work is desired.

DEGRESS WITH DISTINCTION

Honors in scholarship are recorded on the diplomas of the students winning them, and published on the Commencement program. There are three grades of honors designated respectively *cum laude, magna cum laude,* and *summa cum laude.* These honors are conferred at graduation upon students who satisfy the following conditions of scholarship:

The honor of *cum laude* is awarded to those students who have earned an average standing of 2 (or B) in all their college work.

The honor of *magna cum laude* is awarded to those students who have earned an average standing of 2.5 in all their college work.

The honor of *summa cum laude* is awarded to those students who have earned an average standing of 2.8 in all their college work.

Students coming from other colleges may receive general honors on completing two years of resident study and satisfying the conditions of scholarship prescribed by the Faculty, provided they furnish also such evidence of high scholarship in the institution from which they come as may, in the judgment of the Faculty, entitle them to become candidates for honors under the regulations.

SUGGESTED CURRICULA

Students should plan carefully their college work, keeping in mind the general requirements for degrees and their vocational or professional interest. The college officials are glad to aid students in planning curricula to meet specific needs. The following curricula are suggested:

GENERAL COLLEGE CURRICULUM LEADING TO A. B. DEGREE.—Students who have not made a vocational or professional choice and students who expect to enter a professional school which requires a general college education are urged to take this General College Curriculum leading to the A. B. degree. By careful selection of major and minor fields and of elective courses this curriculum can be adjusted to the students' individual needs.

FRESHMAN YEAR

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Bible and Moral Phil. 131	3 hrs.	Bible and Moral Phil. 132	3 hrs.
Education 121	2 hrs.	Social Science 132	3 hrs.
Social Science 131	3 hrs.	Physical Education 112	1 hr.
Physical Educ. 111	1 hr.	Natural or Physical Science	4 or 5 hrs.
Natural or Physical Science	4 or 5 hrs.	or French	3 or 4 hrs.
or French	3 or 4 hrs.	Other Electives	2 or 3 hrs.

SOPHOMORE YEAR

First Semester		Second Semester	
English 231	3 hrs.	English 232	3 hrs.
Education 231	3 hrs.	History 232	3 hrs.
History 231	3 hrs.	Physical Education 212	1 hr.
Physical Education 211	1 hr.	Natural or Physical Science	4 or 5 hrs.
Natural or Physical Science	4 or 5 hrs.	or French	3 or 4 hrs.
or French	3 or 4 hrs.	Other Electives	5 or 6 hrs.
Other Electives	2 or 3 hrs.		

JUNIOR AND SENIOR YEAR

The student should build his program for these two years with the advice of the Dean and of the Head of the department in which the major is to be taken.

PRE-PROFESSIONAL CURRICULA.—Union College strongly recommends to all students who plan to enter a professional school the General College Curriculum of four years. Under approved conditions, however, permission will be given for a student to take three years of work at Union College and the fourth or senior year in a standard professional school. At the completion of the first year of professional work the A. B. degree will be granted, providing all general requirements are met.

Since requirements of professional schools vary considerably, no specific curricula are suggested, but the student who desires pre-medical, pre-dental, pre-legal, pre-engineering, or pre-ministerial courses is urged to make out his curriculum in consultation with the Dean. Consideration should be given the profession, the professional school which the student expects to enter, and the general requirements of Union College.

CURRICULA FOR PROSPECTIVE TEACHERS.—

1. Students who plan to teach in Junior or Senior High Schools should take the following recommended sequence of courses in Education:

Education 121 Psychology of Study
Education 132 Introduction to Teaching
Education 231 General Psychology
Education 232 Educational Psychology
Education 331 Tests and Measurements
Education 332 School Organization
Education 431 Methods of Teaching in High School
Education 432 Directed Teaching in High School

It is recommended further that such students major in two other departments.

2. Students who plan to teach in the elementary grades are urged to take the following curriculum for the freshman and sophomore years:

FRESHMAN YEAR

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Education 121	2 hrs.	Education 132	3 hrs.
Social Science 131	3 hrs.	Social Science 132	3 hrs.
Bible 131	3 hrs.	Bible 132	3 hrs.
Physical Education 111	1 hr.	Physical Education 112	1 hr.

And a one year-course of 4 or 5 hours a semester elected from the following: French 141, Beginning French; Physical Science 151, Chemistry; Physical Science 141, College Algebra; Natural Science 141, Zoology.

SOPHOMORE YEAR

First Semester		Second Semester	
English 231	3 hrs.	English 232	3 hrs.
Education 221	2 hrs.	Education 251	5 hrs.
Education 231	3 hrs.	Education 332	3 hrs.
Physical Education 211	1 hr.	Physical Education 212	1 hr.
History 233	3 hrs.	Education 222	2 hrs.
Electives of 3 to 5 hrs.		Electives of 2 to 4 hrs.	

This curriculum will satisfy all requirements for the Standard Elementary Certificate (renewable for life) and it also takes into consideration the general requirements for graduation. After a student has completed these two years of work he may continue his studies toward a degree without loss of credit or time.

3. Students who can only take one year of college work in preparation for teaching will find that the following curriculum satisfies requirements for the Provisional Elementary Certificate and also gives a well balanced college program:

First Semester		Second Semester	
English 131	3 hrs.	English 132	3 hrs.
Education 121	2 hrs.	Education 221	2 hrs.
Education 132	3 hrs.	History 233	3 hrs.
Physical Education 111	1 hr.	Physical Education 112	1 hr.
Bible 131	3 hrs. or	Bible 132	3 hrs. or
Social Science 131	3 hrs.	Social Science 132	3 hrs.

And a one year-course of 4 or 5 hours a semester elected from those courses open to freshmen in Chemistry, Mathematics, Natural Science, and French.

DEPARTMENTS OF INSTRUCTION

The following nine departments are maintained at Union College:

I. Bible and Moral Philosophy (Philosophy and Religious Education).

II. Education.

III. English (Language, Literature, and Speech).

IV. French

V. History

VI. Natural Science (Biology and Agriculture).

VII. Physical Education

VIII. Physical Science (Chemistry, Mathematics, and Physics).

IX. Social Science (other than History).

These departments with a detailed description of the courses are listed alphabetically in the following pages. The courses are numbered in such a way as to reveal at a glance the level of the course, the customary amount of credit allowed, and the semester in which the course is usually given. Courses numbered 100 to 199 inclusive are primarily for freshmen; courses 200 to 299 are primarily for sophomores; courses 300 to 499 are primarily for juniors and seniors. Juniors and seniors who take courses of a lower level than the 300 courses may be required to do additional work than that customarily expected or may receive a reduction in the amount of credit usually allowed. The second digit of the number indicates the value of the course in semester hours. The third digit shows the semester in which the course is usually given—the odd numbers are first semester courses and the even numbers are second semester courses. Thus a course numbered 131 is a freshman course with three semester hours credit and is usually offered during the first semester. Year courses in which the work of the two semesters constitutes an integral, indivisible course are designated by having the two semester course-numbers joined by a hyphen and no credit is allowed until both semesters of the course have been completed. Year courses which are divided in two semesters, each of which constitutes a completed division for which credit is given without taking the other semester, are listed with two numbers separated by a comma.

I.

DEPARTMENT OF BIBLE AND MORAL PHILOSOPHY

JOHN OWEN GROSS
Acting Head of Department and Professor of Bible

ROY L. RUTH
Associate Professor of Bible and Moral Philosophy

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours in courses approved by the head of the Department.

REQUIREMENTS FOR A MINOR. Fourteen hours in courses approved by the head of the Department.

COURSE OFFERINGS. The work in this department has been organized with a view of introducing the student to some of the great principles and practices of life that make for Christian conduct.

BIBLE

BIBLE AND MORAL PHILOSOPHY 131. *Old Testament Survey.* A study of the important developments in the political, economic, social, and religious history of the Hebrew people with particular emphasis upon the significance of these experiences for our life today. Attention is called to the characteristics and religious messages of the Old Testament books.
First semester, three hours.

BIBLE AND MORAL PHILOSOPHY 132. *New Testament Survey.* A general view of the life and teachings of Jesus and the early apostolic church. A short introduction to the books of the New Testament is given.
Second semester, three hours.

BIBLE AND MORAL PHILOSOPHY 323. *Life of Christ.* A study of the life and work of Jesus based on the four Gospels with special reference to the social, political and economic background of New Testament times. Each student will write his own life of Christ. This course will be given in sections to meet the need.
Prerequisite: Bible and Moral Philosophy 132.
First semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

BIBLE AND MORAL PHILOSOPHY 324. *The Prophets of Israel.* A study is made of the lives and messages of prophets of the Old Testament in the light of their historical setting.

Prerequisite: Bible and Moral Philosophy 131.

Second semester, three hours.

[Not offered in 1932-33; offered 1933-34 and alternate years].

BIBLE AND MORAL PHILOSOPHY 321. *Paul and His Epistles.* A study of the life and letters of the Apostle Paul.

Prerequisite: Bible and Moral Philosophy 132.

First semester, two hours.

BIBLE AND MORAL PHILOSOPHY 322. *The Poetry of the Bible.* A careful study of the nature, historical background, and message of the poetical books of the Old Testament.

Prerequisite: Bible and Moral Philosophy 131.

Second semester, two hours.

PHILOSOPHY

BIBLE AND MORAL PHILOSOPHY 233. *Ethics.* A critical study of the foundation of moral obligations. The course is designed to give philosophic insight and to build moral character. Moral laws are applied to practical life and correlated with Christian ethics. Comparative study of two standard texts.

Second semester, three hours.

BIBLE AND MORAL PHILOSOPHY 234. *Introduction to Philosophy.* A study of the nature and function of Philosophy. The course introduces the student to the terminology and problems of Philosophy, and to the important movements of that and recent tendencies in this field.

First semester, three hours.

RELIGIOUS EDUCATION

BIBLE AND MORAL PHILOSOPHY 235. *Principles of Religious Education.* A general introduction to the essentials of theory and method in modern religious education. An examination of teaching materials and procedures. Problems of organization and administration.

Second semester, three hours.

BIBLE AND MORAL PHILOSOPHY 236. *The Church and Its Educational Task.* A study of the problems which the modern church faces in interpreting Christianity to its own day. It deals with the message and responsibility of the church in the present social order.

First semester, three hours.

II.

DEPARTMENT OF EDUCATION

MAURICE F. SEAY
Head of Department and Professor of Education

MEREDITH G. CARPENTER
Associate Professor of Education

MISS KATHERINE VAN SUTPHEN
Instructor in Public School Music

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours in courses approved by the Head of the Department. Students who are candidates for the A. B. degree and who major in Education are urged to major in one other department.

REQUIREMENTS FOR A MINOR. Eighteen semester hours in courses approved by the Head of the Department.

CERTIFICATES. Students of Union College who meet certain requirements can secure teaching certificates issued by the Kentucky State Department of Education. Courses carrying the mark of "D" are counted toward meeting requirements for certificates only when the applicant presents as many quality points as the minimum number of hours required for the certificate. The various certificates issued and the requirements are as follows:

1. Provisional Elementary Certificate, issued upon minimum of standard high school graduation plus 32 semester hours of standard college work earned in residence, including work as indicated below:

Required Courses:

English 131 or 132 (Freshman Composition) .... 3 sm. hrs.
Education 132 (Introd. to Tchg.) .....3 sm. hrs.
Education 221 (Teachers' Arithmetic) .....2 sm. hrs.

Group Electives: From three to eight hours of work must be selected from the following courses:

Natural Science 132 (Geography) .....3 sm. hrs.
History 233 or 234 (U. S. History) .....3 sm. hrs.
Natural Science 131 (Agriculture) .....3 sm. hrs.
Education 223 (Public School Music) .....1 sm. hr.
Education 222 (Reading in Elementary Schools) 2 sm. hrs.
English 223 or 224 (Public Speaking) .....2 sm. hrs.

General Electives: An applicant may offer not more than 21 semester hours from the field of general electives.

Reissued on 16 semester hours earned during the life of the certificate.

2. Standard Elementary Certificate, issued upon minimum of 64 semester hours of standard college credits, including at least 12 semester hours in Education. (The 16-semester-hour requirement for the Provisional Elementary certificate automatically becomes part of requirement for this); reissued on three years' teaching experience and may be extended for life.

3. Provisional High School Certificate, issued on minimum of 64 semester hours of standard college work, including at least 12 semester hours in Education; reissued on 32 semester hours of college work earned after issuance.

4. Standard High School Certificate, issued to college graduates who have at least 12 semester hours in Education, with Practice Teaching or satisfactory evidence of two years' teaching in high school; reissued on three years' teaching experience; may be extended for life upon minimum of 24 semester hours in Education, and three years experience teaching on the certificate.

5. Superintendent's Certificate, issued upon minimum of 70 semester hours of standard college credits including at least 18 semester hours in Education, six of which must be in Administration and Supervision, and in addition to scholastic credits, four years' experience in teaching in the public schools. Recent legislation changes some of the requirements for this certificate.

COURSE OFFERINGS.—The courses listed have been organized primarily to meet the needs of those who expect to enter the teaching profession and who plan to secure one of the above mentioned certificates. Some of the courses, however, are of general value and should prove beneficial to students who plan to enter other professions.

EDUCATION 121. *Psychology of Study*. This course deals with the various phases of the problem of effective study. Because of its practical application, all freshmen are required to take this course during the first semester of their college work. Not open to sophomores, juniors or seniors.
First semester, two hours.
Repeated second semester.

EDUCATION 132. *Introduction to Teaching.* This is an exploratory and an introductory course which briefly considers the chief problems of the teaching profession. Students not only face the problem of whether or not they should enter the teaching profession but they also consider the types of opportunities offered by the profession and the qualifications required.

First semester, three hours.

Repeated second semester.

EDUCATION 221. *Methods of Teaching Arithmetic.* A study of the subject matter, teaching materials and methods for arithmetic in the elementary grades. This course is required of all students who are candidates for the Provisional or Standard Elementary Certificate.

Second semester, two hours.

EDUCATION 222. *Methods of Teaching Reading and Literature*—A survey of the recent contributions to the field of reading at the elementary level with the aim to locate: first, their bearing upon practices in teaching; second, their bearing upon the materials of reading; third, what additional studies are needed to help determine the desirable practices and materials of instruction. An interpretative and critical study of literature for children is made. Selection, classification, and fitness for various purposes are emphasized. The course is recommended for all students who are candidates for the Standard Elementary Certificate.

Second semester, three hours.

EDUCATION 231. *General Psychology.* An elementary course in psychology. A brief review of the anatomy and physiology of the nervous system is given. The laws of mental growth and action are formulated. The nature of the self and its relation to society are studied. Not open to freshmen. Sophomores are required to take this course either the first or second semester.

First semester, three hours.

Repeated the second semester.

EDUCATION 232. *Educational Psychology.* This course serves the double purpose of introducing the student to the fundamental principles of educational psychology underlying the practices of education and of providing the minimum essentials of the technic of measuring the results of education. Topics discussed are: original tendencies, functioning of

original tendencies, measurement of intellectual and non-intellectual traits, uses and results of intelligence testing, the inheritance of mental traits, the laws of learning, efficient learning, the learning curve, the permanence of modification, transfer of training, measuring improvement in school subjects, uses of educational tests, new-type examinations, the association tests and continuous exercise.

Prerequisite: Education 231.

Second semester, three hours.

[Not offered in 1932-33; offered 1933-34 and alternate years].

EDUCATION 234. *Child Psychology.* This course presents the facts as far as they have been scientifically determined concerning child behavior, with special reference to the meaning of these facts to the teacher. It considers the growth and development of the child from the point of view of its physical, mental, moral, and social nature. It seeks to provide the students with sound criteria for estimating theories about the mental life of children and to give adequate training in the concrete study of child life, so that, as teachers, they will be able to deal intelligently with children of different ages, dispositions, and capacities.

Prerequisite: Education 231.

Second semester, three hours.

EDUCATION 223. *Public School Music.* This course seeks to prepare for music teaching in the elementary grades. Understanding of the child's voice and how to train it, sight singing, elementary theory, and music appreciation are the major topics.

First semester, two hours.

Repeated second semester.

EDUCATION 251. *Directed Teaching in Elementary Grades.* In this course the student prepares lesson plans and teaches in one of the first six grades of the Barbourville Public School. Ninety periods of fifty minutes each of actual teaching in the presence of a critic teacher are required. Candidates for the Standard Elementary Certificate are urged to take this course. A student's previous work in Education must be approved by the Head of the Department of Education before registering for this course.

First semester, five hours.
Repeated the second semester.
[Not offered in 1932-33]

EDUCATION 331. *Tests and Measurements.* Considers the current methods used in the measurement of intelligence and of attainment in various school subjects. Simple statistical terms and processes are studied. Open to juniors and seniors.

Prerequisite: six hours in Education.
First semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

EDUCATION 332. *School Organization*—The organization of the school system is studied from the teacher's point of view. Principles of classroom management are also emphasized.

Prerequisite: six hours in Education.
Second semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

EDUCATION 321. *Methods of Coaching Football.* This course offers training for students who expect to coach football teams.

First semester, two hours.

EDUCATION 322. *Methods of Coaching Basketball.* This course offers training for students who expect to coach basketball teams. Lectures and practical work.

Second semester, two hours.

EDUCATION 333. *Educational Sociology.* A study of the development of the social mind with special reference to education; sociological foundations of education and the sociological foundation of the school.

Prerequisite: six hours of education.
[Not offered in 1932-33; offered 1933-34 and alternate years].

EDUCATION 335. *Principles of Education.* A study of the fundamental principles of education; education as a social function; the various concepts of the nature of education; the function of the aims of education and a discussion of the historic development of aims; the relation of interest to discipline; the place of experience and thinking in education; the nature of method and subject matter; the function of education in a democracy; educational values; the function of various subjects in the curriculum.

Prerequisite: three hours in Education.
First semester, three hours.

EDUCATION 431. *Methods of Teaching in the High School.* The course is planned for prospective teachers. The work proceeds along three lines: first, development of the basic principles underlying all good teaching through class dis-

cussion, practical exercises, and contracts with teaching; second, organization of teaching materials in the different fields of interests; third, directed observations.
Prerequisite: nine hours in Education.
Second semester, three hours.

EDUCATION 432. *Directed Teaching in the High School.* Students approved by the Head of the Department of Education may do directed teaching in the Barbourville High School in the presence of a critic teacher. The student teaches in his major field. This course is required for the Standard High School Certificate.
First semester, three hours.
Repeated the second semester.
[Not offered in 1932-33].

EDUCATION 433. *State and County School Administration.* This course deals with the problems of state and county administration from the administrator's point of view.
Prerequisite: nine hours in Education.
First semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

EDUCATION 434. *Supervision of Instruction.* The problems, principles and technique of supervising, instructing, and improving the teacher in service are dealt with from both the administrator's and teacher's point of view.
Prerequisite: nine hours in Education.
Second semester, three hours.

III.

DEPARTMENT OF ENGLISH

BYRON H. GIBSON
Head of the Department and Professor of English.

MISS ABIGAIL E. WEEKS
Professor of English Literature

MISS CLARIBEL R. EATON
Instructor in English Language and Speech

REQUIREMENTS FOR A MAJOR. Thirty semester hours, including English 331-332. Those majoring in English must take one minor in French, History, or Social Science.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFERINGS. Since the work in English is fundamental to all other courses, all students are required to take courses 131, 132, 231, 232, and they are encouraged to take as much more as they have time to give to this field.

ENGLISH 131, 132. *Composition.* The purpose of this course is to train the student to use the English idiom with a reasonable degree of accuracy, force, and ease. Success depends upon a knowledge of principles, a study in application of principles, and upon tireless practice. Many themes are required; these are criticized by the instructor. Personal conferences with individual students are frequently held. Instruction is flexible in methods; freshness and variety are constantly sought. Required of all freshmen.

First and second semesters, three hours each semester.

English 131 is repeated the second semester.

ENGLISH 221, 222. *Advanced Composition.* Open to students who like to write. Its purpose is to develop organization, fluency, vocabulary, and style. The first semester is given to an elementary course in journalism, with the publication of *The Orange and Black* as a laboratory project. The second semester is given to advanced composition, with frequent study of forms from current literature. Original stories, essays and plays are written.

First and second semesters, two hours each semester.

ENGLISH 233. *Word Study.* This course aims to give students a vital interest in words as living things, and to increase their delight in acquiring new words for every day use.

First semester, 1932-33; second semester, 1933-34, three hours.

ENGLISH 234. *College Grammar.* Open to all who feel their need of a course in grammar.

Second semester, 1932-33; first semester, 1933-34, three hours.

ENGLISH 223, 224. *Public Speaking.* This course is designed to give the fundamentals of voice control and platform appearance, together with the acquiring of ability to think on one's feet before an audience. Frequent memory gems and original speeches are required of all students.

First and second semesters, two hours each semester.

ENGLISH 231, 232. *English Literature.* A rapid survey of the development of English Literature from Beowulf to the present, as a background for all further study of literature. Collateral reading with reports is a regular part of the work. Required of all sophomores.

First and second semesters, three hours each semester.

ENGLISH 331, 332. *Elements of Literary Appreciation.* A study of the principles of criticism, with abundant opportunity to apply these principles to current criticism, and to literature itself. Required of all who major in English.

First and second semesters, three hours each semester.

ENGLISH 333, 334. *American Literature.* In general parallels Course 231, 232. Open only to juniors and seniors.

First and second semesters, three hours each semester.

ENGLISH 431. *Victorian Poetry.* A detailed study of Tennyson and Browning. Open only to juniors and seniors.

First semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

ENGLISH 432. *Poetry of Today.* American Poets. English Poets. One-half semester each. Open only to juniors and seniors.
Second semester, three hours.
[Not offered in 1932-33; offered 1933-34 and alternate years].

ENGLISH 433. *Drama.* Study of development of the English Drama from its beginning through Shakespeare and the transition to Ibsen. Open only to juniors and seniors.

First semester, three hours
[Not offered in 1932-33; offered in 1933-34 and alternate years].

ENGLISH 434. *Modern Drama.* From Ibsen to Shaw and O'Neill. Open only to juniors and seniors.

Second semester, three hours.
[Not offered in 1932-33; offered in 1933-34 and alternate years].

ENGLISH 435. *Nineteenth Century Poetry.* A study of the period of transition from the later Romanticism to the spirit of the nineteenth century proper will precede the regular work which includes a detailed study of the poetry of Arnold, Clough, Browning, Tennyson, Rosetti, and Swineburn. Open only to juniors and seniors.

First semester, three hours

ENGLISH 436. *Nineteenth Century Prose.* This course parallels Course 435, covering the prose work of Newman, Arnold, Ruskin, Carlyle, Macaulay, and others. Open only to juniors and seniors.

Second semester, three hours.

IV.

DEPARTMENT OF FRENCH

MISS NANCY MYERS
Head of the Department and Professor of French

REQIREMENTS FOR A MAJOR. Courses 231-232, 331-332, and 431-432. Students majoring in French are also advised to take course 321-322. Those majoring in the department must take one minor in English or History.

REQUIREMENTS FOR A MINOR. Course 231-232, and six additional hours in advanced courses.

COURSE OFFERINGS. The aim of these courses is to give the student a knowledge of the language both written and spoken, an appreciation of the literature, and a general knowledge of the history and development of the language.

FRENCH 141-142. *Elementary French.* This course includes elementary grammar, conversation and written work. One easy prose book is read.
First and second semesters, four hours each semester.
French 141 is repeated the second semester.

FRENCH 231-232. *Intermediate French.* Reading of such authors as Merimee, Dumas, George Sand, Labiche. Memorizing of poems. One lesson per week in composition. Conversational French to a large extent.
Prerequisite: French 141-142 or equivalent.
First and second semesters, three hours each semester.

FRENCH 321-322. *French Composition and Conversation.* This course aims to give the student a better knowledge of writing and speaking French.
Prerequisite: Course 231-232.
First and second semesters, two hours each semester.

FRENCH 331-332. *French Literature in First Half of Nineteenth Century.* Study of Victor Hugo, Lamartine, Alfred de Vigny, Alfred de Musset, Chateaubriand. Study of the literature of this period by collateral reading.
Prerequisite: Course 231-232.
First and second semester, three hours each semester.

FRENCH 431-432. *French Classical Drama.* The reading of such writers as Corneille, Racine, Moliere. Outlines of the literature of seventeenth century.
Prerequisite: 331-332.
First and second semesters, three hours each semester.

V.

DEPARTMENT OF HISTORY

ARTHUR M. HYDE
Head of the Department and Professor of History

REQUIREMENTS FOR A MAJOR. Twenty-two semester hours in addition to the six hours of the general requirements in the Social Science Department. One hour may be made by "Honors work."

REQUIREMENTS FOR A MINOR. Eighteen semester hours. However, Social Science 131, 132 may count as six hours toward this minor.

COURSE OFFERINGS. No courses in History at the freshman level are offered since it is expected that all freshmen will take Social Science 131, 132, an introductory course to all social science. Courses 231, 232 or 233, 234 are prerequisite to the more advanced courses in History.

HISTORY 231, 232. *Modern History.* This course has to do with the development of Europe from 1500 to the present time. Of special importance in this course are the intellectual, religious, economic, political, and social changes which came with the Protestant Revolution of the sixteenth century, the French Revolution of the eighteenth century, the Industrial Revolution of the eighteenth and nineteenth centuries and the very important changes in various fields which came with the nineteenth and twentieth centuries.
First and second semesters, three hours each semester.

HISTORY 221, 222. *The Problems of Government.* A study of the principles and structure of American government. Emphasis upon its actual workings and upon current problems. Historical development, organization, powers, limitations of the government, and treatment of sovereignty, citizenship and nationality, electorate and governmental powers.
First and second semester, two hours each semester.

HISTORY 233, 234. *History of the United States.* The European background, colonial life, rivalry with the French, the breaking away from Great Britain, the making of our Constitution, and the beginning of our national life are studied the first semester; the Civil War and Reconstruction, the expansion toward the west, our industrial growth, receive especial attention the second semester.
First and second semesters, three hours each semester.

HISTORY 331. *History of Medieval Europe.* Of special interest because of its institutions which form the basis of those of modern times, such as feudalism, the city state, the beginnings of the national state, the Church, the Holy Roman Empire.

First semester, three hours.

HISTORY 332. *History of the Reformation.* Social, intellectual, economic, and political changes, important to an understanding of the modern world.

Second semester, three hours.

HISTORY 333, 334. *History of Great Britain.* Attention is paid to the social and economic development as well as to the political.

First and second semesters, three hours each semester.

[Not offered in 1932-33; offered 1933-34 and alternate years].

HISTORY 431. *History of the French Revolution and the Napoleonic Period.* A study of the period 1789-1815, with considerable attention to conditions leading to the events of that period. The study is significant as an expression of ideals developing in the eighteenth century and influential in the nineteenth and twentieth.

First semester, three hours.

[Not offered in 1932-33; offered in 1933-34 and alternate years].

HISTORY 432. *Twentieth Century Europe.* A study of Europe before, during, and since the World War.

Second semester, three hours.

[Not offered in 1932-33; offered in 1933-34 and alternate years].

HISTORY 433. *American History to 1789.* The foundation and history of the American colonies and their relation to England, their struggle for independence, and the making of the constitution.

First semester, three hours.

HISTORY 434. *History of American Foreign Relations from 1789 to the Present Time.*

Second semester, three hours.

VI.

DEPARTMENT OF NATURAL SCIENCE

HARWELL P. STURDIVANT
Head of the Department and Professor of Biology.

I. B. PEAVY
Professor of Biology Emeritus

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFERINGS.

NATURAL SCIENCE 141, 142. *General Biology.* An outline of the main facts and principles of animal and plant life, with special reference to the historical interpretations of nature, the laws governing heredity, and the modern applications of biological facts to the service of man and the betterment of the race. Laboratory exercises illustrative of biological principles will be supplemented by specially prepared demonstrations. Two lecture periods and two two-hour laboratory periods.
First and second semesters, four hours each.

NATURAL SCIENCE 241. *Embryology.* A review of the processes of germ cell formation, fertilization and cleavage in both invertebrates and vertebrates followed by a detailed comparative study of the development of the frog, chick, pig and man. Use is made of living material of the frog and chick while whole mounts and serial sections of the frog, chick and pig are used for study of germ layer formation, histogenesis, and organogenesis. Charts, models and demonstrations supplement the work. Two lectures and two two-hour laboratory periods.
First semester, four hours.

NATURAL SCIENCE 242. *Comparative Vertebrate Anatomy.* A further and detailed study of the structure of higher animals with special reference to the form and development of different systems and organs. This course is especially recommended for pre-medical students. Two lectures and two two-hour laboratory periods.
Second semester, four hours.

NATURAL SCIENCE 341. *Cytology.* A study of the structure and physiology of the cell, including the processes of cell division, germ cell formation, fertilization, parthenogenesis, and cleavage. Training is given in the technical cytological and

histological methods of killing, sectioning, and staining. Two lectures and two two-hour laboratory periods.

First semester, four hours.

[Not offered in 1932-33; offered in 1933-34 and alternate years].

NATURAL SCIENCE 342. *Genetics.* A study of the laws governing heredity; the application of the experimental method to modern biological problems; the interpretation of nature, and the fundamental facts of plant and animal breeding. The laboratory will consist of experiments showing the modern methods of investigating hereditary characters. Three lectures and one two-hour laboratory period.

Second semester, four hours.

[Not offered in 1932-33; offered in 1933-34 and alternate years].

NATURAL SCIENCE 331. *Physiology, Hygiene, and Sanitation.* An introduction to the structure and function of the human body, the principles governing its proper care, and the cause, course, and prevention of the most common diseases, with emphasis upon community health. This course is especially recommended for teachers. Extensive parallel reading. Three lectures.

First semester, three hours.

Repeated second semester.

NATURAL SCIENCE 234. *Field Botany.* A general survey of the local flora, determination of species, and ecology.

Summer term, three hours.

VII.

DEPARTMENT OF PHYSICAL EDUCATION

J. R. BACON

Head of the Department and Professor of Physical Education

GENERAL PLANS.—In order to live well and enjoy life it is necessary to have a certain amount of exercise. There are numerous forms of physical activity that are of great benefit and at the same time interesting to the individual. The Physical Education Department attempts to teach students some exercises that they can use to keep their bodies physically fit regardless of the profession which they enter.

All students are required to have four semester hours in Physical Education for graduation. Two of the four hours must be made in the freshman year and the other two hours preferably during the sophomore year. All courses meet twice a week and

give one semester hour credit. Of the four semester hours given in Physical Education one is required in swimming. This course is given on the same basis as other Physical Education classes but no credit will be given unless the student knows or learns how to swim.

Students who participate in varsity or freshman athletics are given credit in Physical Education for each sport in which they take part. Students who participate in intra-mural athletics are not given credit nor excused from Physical Education classes.

Many of the exercises and games taught will prove valuable to teachers and social service workers.

COURSE OFFERINGS.

PHYSICAL EDUCATION 111. *Calisthenics and Games For Men.* In this course a definite group of varied calisthenics is given. The games of Kick-Pass Football and Volley Ball are taught. The student is required to know the major rules of each game and to have a general understanding of how the games are played and the team strategy involved.

First semester, one hour credit.

PHYSICAL EDUCATION 113. *Calisthenics and Games For Women.* In this course calisthenics and games suitable to women are given. The elementary games taught should prove valuable in school and social service work.

First semester, one hour credit.

PHYSICAL EDUCATION 112. *Swimming For Men.* In this course students are taught to swim and dive. Various strokes are practiced.

Second semester, one hour credit.

PHYSICAL EDUCATION 114. *Swimming For Women.* In this course students are taught to swim and dive. Various strokes are practiced.

Second semester, one hour credit.

PHYSICAL EDUCATION 211. *Advanced Group Games For Men.* The games of Basketball, Playground-ball, and Speedball are taught during the course. The student is required to know the major rules of each game and to have a general understanding of how the games are played and the team strategy involved. A student must be able to take charge and supervise the games.

First semester, one hour credit.

PHYSICAL EDUCATION 213. *Advanced Group Games For Women.* The games of Basketball, Playground-ball, Volley-ball, and Hockey are taught. The student is required to know the major rules of each game, to have a general understanding of how the games are played and the team strategy involved. A student must be able to take charge and supervise the games.

First semester, one hour credit.

PHYSICAL EDUCATION 212. *Advanced Individual Games For Men.* The games of Tennis, Horseshoes, Wrestling and Golf (driving and putting), are taught. The student will be required to know the major rules of each game, to have a general understanding of how the games are played and to know the technique involved.

Second semester, one hour credit.

PHYSICAL EDUCATION 214. *Advanced Individual Games For Women.* The games of Tennis, Horseshoes, Golf (driving and putting) and Track are taught. The student is required to know the major rules of each game, to have a general understanding of how the games are played and to know the technique involved.

Second semester, one hour credit.

PHYSICAL EDUCATION 241. *Intercollegiate Football.* This course consists of the practice and playing in the varsity or freshman football squads.

First semester, one hour each year.

PHYSICAL EDUCATION 242. *Intercollegiate Basketball.* This course consists of the practice and playing in the varsity or freshman basketball squads.

Second semester, one hour each year.

PHYSICAL EDUCATION 323. *Administration and Organization of Physical Education Programs.* This course deals primarily with the planning and building of a program of physical education for school systems. The practical work will consist of supervising the intra-mural program of sports at Union College. One hour lecture each week. Students may enter this course only on invitation from the Head of the Department and the Dean.

First semester. two hours.

Repeated the second semester.

VIII.

DEPARTMENT OF PHYSICAL SCIENCE

CHARLES R. WIMMER

Head of the Department and Professor of Chemistry

MISS GEORGIA HASWELL

Instructor in Mathematics and Physics

REQUIREMENTS FOR A MAJOR. Students may major in the Department of Physical Science including courses in chemistry, mathematics, and physics or they may confine their major to chemistry. Twenty-four hours, approved by the Head of the Department, are required for either of these majors.

REQUIREMENTS FOR A MINOR. Students may minor in the Department of Physical Science by taking ten hours in chemistry, three hours in mathematics, and eight hours in physics. Students may confine their minor to chemistry by taking sixteen hours in this subject, or to mathematics by taking eleven hours in this subject.

COURSE OFFRINGS.

CHEMISTRY

PHYSICAL SCIENCE 153-154. *General Inorganic Chemistry.* This course is designed for the student who wishes to take only one year of chemistry as a cultural subject as well as for the student who wishes a foundation for further study in chemistry. The basic principles of chemistry are studied thoroughly and their practical application to our everyday living is pointed out. The laboratory work of the second semester is devoted to a study of the fundamentals of qualitative analysis. A systematic study is made of the separation and identification of the more common metals and acids. Lectures, demonstrations, and recitations three hours per week and laboratory two two-hour periods per week. No previous chemistry required.

First and second semesters, five hours each semester.

PHYSICAL SCIENCE 236. *Qualitative Analysis.* This course is intended for the second year student in chemistry who has not had qualitative analysis. It must be taken previous to or concurrently with Physical Science 234. Lectures one hour, laboratory two two-hour periods per week.

Prerequisite: Physical Science 151-152.

Second semester, three hours.

PHYSICAL SCIENCE 261. *Organic Chemistry.* A course intended for the student who is preparing for the study of medicine or for the student majoring in chemistry. A thorough study is made of the principles underlying the classification of carbon compounds as well as the preparation and properties of the various classes of aliphatic and aromatic hydrocarbons and their derivatives. The laboratory work in this course is designed to correlate the principles learned in the classroom with their practical application. Lectures and recitations four hours per week, laboratory two two-hour periods per week.

Prerequisite: Physical Science 153-154.

First semester, six hours.

PHYSICAL SCIENCE 234. *Quantitative Analysis.* This course is intended for pre-medical students and for those who are majoring in chemistry. The fundamental principles of gravimetric and volumetric analysis are studied. These principles are then applied for the purpose of developing careful and accurate work in the laboratory. Lectures and recitations one hour per week, laboratory two two-hour periods per week.

Prerequisite: Physical Science 153-154 (or concurrently with Physical Science 236.)

Second semester, three hours.

PHYSICAL SCIENCE 311. *Inorganic Preparations.* Laboratory practice in the application of typical methods of preparation and purification of inorganic compounds.

Prerequisite: Physical Science 153-154.

First or second semester, one or two hours.

PHYSICAL SCIENCE 421. *History of Chemistry.* The development of chemistry is traced from earliest times to the present day. The background of our modern theories and laws is given as well as a history of the discovery and use of many chemical substances. Biographical sketches of the men most prominent in the development of chemistry are also presented.

Prerequisite: Physical Science 153-154.

First semester, two hours.

[Not offered in 1932-1933].

MATHEMATICS

PHYSICAL SCIENCE 143. *College Algebra.* The course presupposes a knowledge of elementary algebra. Chief topics: A review of the fundamentals of algebra, progressions, permutations and combinations, probability, complex numbers, logarithms, theory of equations, and determinants.
First semester, four hours. Repeated second semester.

PHYSICAL SCIENCE 134. *Trigonometry.* An elementary course in plane trigonometry. The theory of logarithms is also included. Emphasis is placed on trigonometric equations and transformations, as well as upon systematic and accurate computations in the applications.
Second semester, three hours.

PHYSICAL SCIENCE 241. *Analytic Geometry.* The fundamental notions of plane analytic geometry.
Prerequisite: Physical Science 143 and 134.
First semester, four hours.

PHYSICAL SCIENCE 232. *College Geometry.* The course takes up geometry where it is left in the high school course and reviews and enlarges the ideas found there, going into the geometry of the triangle, the quadrilateral, and the circle, introducing and applying the idea of harmonic range and inverse figures.
Prerequisite: Physical Science 241.
Second semester, three hours.
[Not offered in 1932-1933].

PHYSICAL SCIENCE 331-332. *Differential and Integral Calculus.* Elements of calculus including differentiation, integration, Maxima and Minima, plane curves and areas.
Prerequisite: Physical Science 241.
First and second semesters, three hours each semester.
[Not offered in 1932-1933].

PHYSICS

PHYSICAL SCIENCE 141-142. *General Physics.* This course deals with mechanics, heat, electricity, magnetism, sound, and light. Lectures and recitations three hours per week, laboratory one two-hour period per week.
Prerequisite: Physical Science 143.
First and second semesters, four hours each semester.

IX.

DEPARTMENT OF SOCIAL SCIENCE

WAYNE T. GRAY

Head of the Department and Professor of Economics and Sociology

REQUIREMENTS FOR A MAJOR. Twenty-four semester hours.

REQUIREMENTS FOR A MINOR. Eighteen semester hours.

COURSE OFFRINGS.

SOCIAL SCIENCE 131, 132. *Introduction to Social Science.* An introductory year-course discussing the origin of human society and the factors affecting its evolution, the process of society, the working of the social mind, and the methods of social control; a survey of significant present-day social conditions and problems, and of the methods by which control is secured for safety and betterment.
First and second semesters, three hours each semester.
Social Science 131 repeated second semester.

SOCIAL SCIENCE 231. *Principles of Sociology.* This is a study of the basic principles of present-day social intercourse and interactions.
First semester, three hours.

SOCIAL SCIENCE 232. *Rural Sociology.* An investigation and study of past and present rural problems and institutions. The aim of this course is to stimulate interest in the farm home, the rural school, the country church, the farm organizations which have for their object the betterment of the countryside.
First semester, three hours. Repeated the second semester.

SOCIAL SCIENCE 235. *Introduction to Economics.* An examination of the fundamental principles of Economics, including production, distribution, consumption and exchange of economic goods.
First semester, three hours.

SOCIAL SCIENCE 236. *Economic Problems.* A study of modern economic problems found in production, distribution, consumption and exchange; and including also problems in currency, banking, tariff, taxation, international trade, and labor.
Prerequisite: Social Science 235.
Second semester, three hours.

SOCIAL SCIENCE 333. *Social Psychology.* A study of the interactions of the individual with the group and of groups with each other.

Prerequisite: Education 231 (General Psychology).
Second semester, three hours.

SOCIAL SCIENCE 434. *Social Pathology.* A study of poverty and dependency and similar forms of the social mal-adjustments of modern society. The cause, extent, significance, and present methods of dealing with them will be considered.
Second semester, three hours.
[Not offered in 1932-1933].

COLLEGE EXTENSION DIVISION

MEREDITH G. CARPENTER, *Director*

STATEMENT OF PURPOSE. Union College is desirous of extending its facilities to larger numbers of people living within southeastern Kentucky, and therefore it maintains an Extension Division to offer service to teachers and others who are unable to pursue regular college courses in residence. In order to meet this need, a wide variety of college courses, including courses in adult and parental education, professional courses, and lecture courses for special groups, are offered.

These different courses at the various study centers within the territory are conducted by the members of the regular faculty of Union College. No correspondence courses are offered. The courses offered through the Extension Division are intended for all who may have any of the following ends in view:

1. To gain credits toward State certificates or toward the A. B., and B. S. in Education degrees.

2. To increase their knowledge along cultural and practical lines, thus qualifying themselves for promotion and a larger sphere of service.

3. To keep in touch with the rapidly advancing thought and activity of the present day, in order to meet more adequately the demands of modern religious, educational, and social life.

4. To continue professional education while in service. The teachers in southeastern Kentucky have recognized the value of the opportunities offered them through Union College to continue their training while they are engaged in teaching, and many of these have pursued courses through the Extension Division of the College during the past year. The College is trying to meet its responsibility in this connection and offers as many opportunities as possible.

SERVICE TO TEACHERS. The Extension Division offers courses in communities where persons want to work in groups in the same way as if enrolled in residence courses on the campus. Courses may be selected from the subjects authorized by the faculty for regular residence work and such other approved courses as may be considered valid for this purpose.

SERVICE TO SCHOOLS. The Division offers recommendations for improvement of communities and schools, such as suggestions for the enrichment of the curricula so as to adapt each curriculum to the special school and community needs, etc.

Extension lectures, conferences, interscholastic literary and physical education contests, as well as other activities designated to carry a complete service to this part of the State which are planned for the coming year, will fully demonstrate the feasibility and effectiveness of this sort of educational effort.

The various members of the faculty of the College will be glad to give answers to inquiries for facts, information and advice upon any topic coming within their respective fields.

Through the College Extension Division members of the faculty will, upon invitation, deliver popular lectures, technical lectures, for schools, clubs, and other community organizations. A number of commencement speakers are also available.

PLACEMENT BUREAU. The College maintains a bureau to serve its graduates who are seeking positions, and school boards and superintendents seeking teachers. Superintendents and boards of education are invited to visit the College, to make use of the placement bureau in looking for teachers and to meet applicants in whom they are interested.

GENERAL REGULATIONS GOVERNING EXTENSION

Entrance Requirements. The entrance requirements for non-resident work are the same as those for resident study. Students who do not meet the regular entrance requirements of the College may be admitted to the extension courses upon payment of the fee but may not receive credit. The requirements for entrance are stated elsewhere in this catalog.

Fees. No registration fee is charged for persons taking courses through the Extension Division. The regular tuition charge is $12.50 for each three hour course per student or $25.00 for the semester's work of six semester hours.

Residence Requirements. Extension courses cannot be used to satisfy residence requirements. Union College requires the last year's work (30 semester hours) in residence, and extension work will not be accepted for this.

Instructors. Only regular members of the faculty of Union College are authorized to give courses at a study-center.

Courses. Courses given through the Division will be the same as those offered in residence as fas as textbooks, credit, number of meetings, etc., are concerned.

Other Work. Students doing resident work in other institutions will be required to file written permission from those schools before being allowed to register for extension work in Union College.

Recording Credits. In recording and transcribing credits earned in non-resident courses, indication shall be made by proper notation that such credits were earned in extension work.

Credit Limit. Not more than 12 semester hours of extension work done in one academic year will be accepted by the College except by special permission from the Dean. This applies also to extension work done in other institutions. Not more than one-half the courses in a major may be done by extension. As the last thirty hours of the College course must be done in residence in this institution by all students who are candidates for a degree, permission from the Dean must be had to carry extension courses during the senior year.

No more than 30 semester hours of extension work will be accepted toward a degree from Union College unless all such work has been done under the direction of the Extension Division of the College, in which the maximum accepted will be 40 semester hours.

No credit will be given for any extension work taken while the student is enrolled in Union College or in any other institution unless permission is obtained from the Dean. In no case will more than the total of 50 semester hours earned during one calendar year be accepted. Permission for this maximum must be granted by action of the Faculty.

Candidates for teachers' certificates should note that extension work will not satisfy the requirements for the original issue of a Provisional Elementary Certificate, nor be accepted for more than one-half of the requirements for the renewal of any certificate. In the issuance of certificates on 64 semester hours of college credit, at least 48 semester hours of these are required to be earned in residence.

Failures made during resident study cannot be made up by extension work.

Students who enroll for extension work and later enter for full time resident courses shall discontinue their extension work until the period of residence is ended.

Six semester hours during a semester are considered a full load for persons who are teaching.

THE BULLETIN. The Extension Division publishes a bulletin giving in detail the regulations governing the service and listing the courses open to teachers through this Division of the College.

The Extension Division has general direction of all non-resident study. All inquiries concerning the organization of classes or any of the other types of service listed should be addressed to the Director of College Extension, Union College or to the President of the College.

MUSIC DIVISION

MISS KATHERINE VAN SUTPHEN, *Director*

Union College does not maintain an academic department of music, but a few theoretical and practical courses are offered in connection with the Music Divisison, for which a limited amount of credit is given. Although not organized as a department, all students have opportunities to develop their musical talents and to gain an appreciation for music. The Music Division has supervision of all musical organizations, musical programs, and musical activities of the College.

AMOUNT OF CREDIT. The total credit which may be applied toward a degree is ten semester hours unless the work was done at an institution where a department was maintained, in which case a total of eighteen hours is allowed toward a degree.

COURSES OFFERED. Courses are offered in pianoforte, voice, harmony, history of music, music appreciation, violin, reed and band instruments, and student musical organizations such as glee club. Students should consult the section of this catalogue that deals with "expenses" for information as to cost of private and class work in music.

SUMMER SESSION

GENERAL ANNOUNCEMENT. Union College has two six-weeks terms of summer work. The first term for 1932 opens June 6 and closes July 9, the second opens July 11 and closes August 13. The classes meet six days each week. Class work begins in the morning at 7:30 and closes at noon. The program of studies published in the summer bulletin is such that a student may take the regular college courses and subjects that are required for certificates issued by the Department of Educatoin of the State of Kentucky.

REQUIREMENTS FOR ADMISSION. The requirements for admission are the same for the Summer Session as for the regular work. For a complete statement concerning them the proper section of the catalogue should be consulted. It is important that new students have transcripts of work done in high school and college sent to the Dean before the opening of the session.

CREDIT. The work offered in the Summer Session is equivalent in method, character, and credit value to that of the academic year. Six semester hours of college work constitute an average load for a term of six weeks, but under certain conditions seven hours are permitted.

FEES. The cost of tuition for the session is four dollars each semester hour carried. Board in the dining hall is $3.75 per week. Board and room in the college dormitories is $5.00 per week.

RECREATION. Nearby mountains and many historic places are easily accessible for excursions and picnics. An organized recreational program on the campus will be supervised by a faculty member. A modern gymnasium, tennis courts, and an in-door swimming pool are available to students.

For further information write Director of Summer Session.

REGISTER OF STUDENTS

Bachelor of Arts

Degrees Conferred May 26, 1931

Name	*County or State*
Ackerman, Frank	Knox
Baker, George	Knox
Baker, J. R.	Laurel
Baker, Taylor Gene	Clay
Bowman, Bernice	Florida
Chestnut, Aubrey	Knox
Chestnut, Glen	Knox
Collett, L. M.	Knox
Colson, Gillis	Clay
Davis, Charles	Knox
Davis, Esther	Knox
Engle, Edna	Laurel
Fowler, Anna Fay	Gallatin
Greene, Clyde	Laurel
Hembree, Sillous	Knox
Howes, John B.	Knox
Hubbard, Etta	Clay
Johnson, James Asa	Pennsylvania
Keleman, Steve	Harlan
Kitzel, Heinz	Ohio (State)
Knuckles, James F.	Bell
Knuckles, W. L.	Bell
Lawson, Carl	Whitley
Loveless, Phil H.	Indiana
Main, Ruth	Knox
Maloney,.. William J.	Delaware
Marsee, Leila	Knox
Mayhew, William G.	Knox
Mays, Jesse	Knox
Messer, James	Knox
Mills, Ed.	Clay
Minter, H. F.	Laurel
Nelson, Florence	Knox
Parker, Martha	Knox
Patrick, Luther	Estill
Rader, Mildred	Virginia
Root, Lester	Whitley
Shifley, Mrs. E. M.	Knox
Slusher, William	Bell
Treadway, J. E.	Laurel

Name	*County or State*
Tye, Mrs. Roberta Sears	Knox
Vincent, Maurice	Knox
White, Nevil	Kenton
Wilder, Edna	Laurel

SENIORS

Ball, William H.	Lawrence
Bishop, Mabel	Bell
Blackburn, Elizabeth	Knox
Clark, Buford	Whitley
Cole, Margaret	Whitley
Congleton, Ruth	Knox
Cox, Howard	Knox
Dean, Violet	Owsley
Decker, Arthur	Indiana
Dunn, Agnes	Whitley
Evans, Florence	Knox
Faulkner, Catherine	Knox
Faulkner, Jesse	Knox
Fields, Chester	Owsley
Goins, Charles	Clay
Hauser, Edna	Knox
Hawn, Katherine	Knox
Helton, Robert	Harlan
Hind, Alice Glynn	Georgia
Hopper, Harry	Knox
Hughes, John W.	Knox
Hughes, Nelle Wand	Knox
Hughes, Sarah	Knox
Jarvis, Zella Pelly	Knox
Ketcham, Angie	Knox
Kilbourne, Earl	Virginia
Knuckles, William R.	Bell
Lawson, Henry	Bell
Lewis, McCoy	Clay
Maggard, Jane	Clay
Marsee, Kenneth	Knox
Martin, William G.	Knox
Miller, Flonnie H.	Pulaski
Mills, S. A.	Bell
Morgan, Taylor G.	Whitley
Neikirk, Clifton	Pulaski
Quillen, Mont	Virginia
Reid, Joyce	Knox
Tallent, Bernard	Whitley
Taylor, Harry	Whitley

Name	*County or State*
Terry, Douglas	Whitley
Valentine, L. T.	Knox
Walker, Milton	Clay
Webb, Ezra	Clay
Williams, Stella	Knox

JUNIORS

Adams, Lutie	Letcher
Adams, Ollie	Carter
Amis, Cora Mae	Knox
Bailey, Rufus	Harlan
Barbe, Emma	McCreary
Barbe, Lucy	McCreary
Barker, Ruth	Harlan
Bays, Amy	Knox
Beddow, Walter	Knox
Bender, Joe	Knox
Blair, Lydia	Knox
Bretz, Charlotte	Ohio (State)
Buchanan, L. W.	Knox
Buchanan, Marie	Knox
Burkhart, John	Harlan
Chestnut, Dan	Knox
Chumley, Charles	Harlan
Cobb, Daniel S.	Knox
Combs, Clarence R.	Magoffin
Creasy, Mae	Knox
Ellison, Cora	Bell
Ellison, Vaudie V.	Bell
Frederick, Mary J.	Knox
Frierdich, Earl	Campbell
Gabbard, Dan	Bell
Gabbard, Mossie A.	Bell
Garland, James	Knox
Greene, Ethel Mae	Knox
Greene, James K.	Tennessee
Greene, Mollye	Bell
Hale, Lenora	Knox
Hammons, Jeff	Knox
Hayes, Kenneth	Lawrence
Hoskins, Ethel	Bell
Ingram, Mabel	Bell
Ingram, Willa	Bell
Jackson, Rahma	Knox

Name	*County or State*
Johnson, Chester A.	Knox
Jones, Florence	Clay
Liddle, Thomas	Bell
Llewellyn, Rose	Knox
Lundy, W. R.	Knox
Mayo, Mary	Knox
Mays, Cecil	Knox
Mays, Irene	Knox
McDonald, Roberta	Bell
McWilliams, William Rufus	Knox
Mealer, June	Knox
Moore, Marvin	Whitley
Napier, Opha	Harlan
Nelson, Jeanna	Madison
Patterson, Lloyd	Greenup
Quinton, Hilda	Casey
Skidmore, James H.	Harlan
Smith, Alta	Knox
Snavely, Gerald	Knox
Steele, Charles R.	Harlan
Sweeney, J. W.	Knox
Turner, Clifford	Bell
Valentine, Rosa	Knox
Valentine, Shelley	Knox
Wagers, Earl	Clay
Walker, Julia	Knox
Walker, Martha	Knox
White, Hazel M.	Harlan
Wiley, Miller B.	Tennessee
Williams, Clyde	Knox
Woolum, Inez	Knox

SOPHOMORES

Abner, McKinley	Knox
Adams, Lurline	Harlan
Alfred, Joe	Harlan
Asher, Foister	Bell
Asher, Matt	Bell
Baker, Axie	Knox
Baker, Daisy	Whitley
Ball, Lucian	Lawrence
Baxter, Samuel	Lincoln
Bender, Ohna E.	Knox
Berry, Byron	West Virginia
Boggs, Pauline	Whitley

Name	*County or State*
Boggs, Reba	Harlan
Botner, Reid	Knox
Bowling, Celia	Clay
Brunk, Edward	Harlan
Calahan, Brown	Owsley
Catron, Mildred	Knox
Catron, Sadie	Knox
Cawood, Pope	Harlan
Cobb, Edna Terrell	Whitley
Collett, James R.	Bell
Corum, Louise	Clay
Davis, Mae	Ohio (State)
Dobson, Edgar	Clay
Dunn, Cleo	Whitley
Eaton, Elizabeth	D. C.
Ellison, Sidney B.	Knox
Epperson, Euphennia	Bell
Faulkner, Marvin	Knox
Faulkner, Nancye	Knox
Golden, Leslie	Knox
Goodman, Zelma	Knox
Greene, W. A.	Bell
Hall, Bessie C.	Clay
Hammonds, Lillian	Knox
Hammons, C. B.	Knox
Hampton, James B.	Knox
Hampton, Theodore	Knox
Haris, Evelyn	Knox
Hensley, Dorothy	Clay
Hensley, Jennie	Clay
Hensley, Roy	Clay
Hicks, Golia	Mason
Hind, Alfred	Georgia
Hubbard, W. P.	Knox
Huber, Ralph	Campbell
Jackson, Margie	Knox
Jarvis, George W.	Knox
Johnson, Bessie	Bell
Jones, Bertha	Whitley
Jones, Bessie Girdner	Knox
King, Marola	Bell
Knuckles, Sampson	Bell
Landreth, Edward	Mason
Lawson, Lorene B.	Harlan
Linville, Axie B.	Knox
Logsdon, Edward	Knox

Name	*County or State*
Maggard, Elmer J.	Harlan
Main, Lucille	Knox
Mayhew, Mae	Knox
Mayhew, Roberta	Knox
Mays, Everett G.	Bell
Messer, Clarence	Knox
Meser, Nebraska	Knox
Miller, Effie	Bell
Miller, Reno	Knox
Miracle, Bessie E.	Bell
Miracle, Katherine	Bell
Morehead, Nevil	Knox
Moore, Bettie B.	Whitley
Nisbet, Dorothy	Harlan
Ohler, Raymond A.	Whitley
Owens, Jean	Knox
Payne, Clarence	Knox
Phipps, Effie	Knox
Pickerill, Willis	Harlan
Powell, Bettie	Knox
Rigsby, Hundley G.	Rockcastle
Rice, Bertie B.	Rockcastle
Roberts, Lena	Virginia
Ruggles, Helen	Lewis
Saylor, Emanuel	Harlan
Sears, Bertha	Knox
Sears, Ethyl	Knox
Shifley, Glenn	Knox
Simpson, Edward	Ohio (County)
Slusher, Albert	Bell
Smith, Bonnie	Rockcastle
Sowders, Mary Helen	Knox
Steele, Charles K.	Knox
Taylor, Lillie Mae	Bell
Teague, Martha	Whitley
Terrell, Woodrow	Whitley
Thomas, Carlie	Lee
Thomas, Ercie M.	Lee
Thompson, Millard	Knox
Treadway, Prudy	Knox
Turner, Elbert C.	Knox
Tye, Goidie S.	Knox
Tye, Gorman	Knox
Tye, Herbert	Knox
Verbal, Rhodah Lee	Knox
Walker, John D.	Clay

Name	*County or State*
Warren, Yerkes	Bell
Wiley, Owen	Tennessee
Wilson, Edgar	Bell
Wilson, Gertrude	Knox
Wilson, Lenora	Bell
Wilson, Myrtle	Knox
Wilson, O. J.	Bell
White, Statia B.	Clay
Williams, Willie	Harlan
York, Hercules A.	Knox

FRESHMEN

Alford, Carrie	Knox
Alloway, Roberta	Tennessee
Archer, Ann Stewart	Knox
Asher, Amis	Bell
Asher, Andrew J.	Bell
Asher, Arizona	Knox
Asher, Richard W.	Bell
Baker, Dessie	Knox
Berkley, Ina Mae	Greenup
Bingham, Dora	Knox
Black, Marie	Knox
Blackley, Harold	Oklahoma
Blair, Dessie	Harlan
Blair, Stacy L.	Knox
Bledsoe, Alice	Leslie
Bledsoe, Caleb	Clay
Bretz, Josephine	Ohio (State)
Brown, Charles R.	Clay
Brown, James C.	Knox
Bryant, Alvis	Knox
Bryant, Ruby Jean	Knox
Buchanan, G. N.	Knox
Burch, Clarence	Knox
Burch, Isaac	Clay
Byrd, Thelma	Harlan
Campbell, Leslie	Knox
Carnes, Alonzo	Knox
Chadwick, James	Harlan
Combs, Lincoln E.	Letcher
Combs, Virginia V.	Knox
Cornette, Bonnie	Harlan
Craft, Ethel	Knox

Name	*County or State*
Cornette, Irene	Knox
Cox, Cephus	Knox
Crace, Ted	Letcher
Crook, Mattie D.	Knox
Davidson, Roy	Clay
Davis, Clarence	Franklin
Davis, George F.	Franklin
Dobson, Ora	Clay
Eaton, John H.	D. C.
Edwards, Verna M.	Knox
Elam, Reid	Knox
Elliott, Ilena	Knox
Engle, Opal	Knox
Esary, Mildred H.	Tennessee
Evans, Nell	Knox
Faulkner, Kathleen	Knox
Faw, Marjorie	N. C.
Fawbush, Stanley	Harlan
Feinstein, Paul	Knox
Foley, Ailene	Knox
Foley, Mary	Knox
Force, Marion	Ohio (State)
Frederick, Homer	Clay
Galbraith, Milton A.	Nicholas
Gallagher, Stacia	Webster
Gambrel, Thelma E.	Bell
Gates, Nevada	Harlan
Gibson, Homer	Knox
Gibson, William L.	West Virginia
Girdner, Doyle	Knox
Goins, Catherine	Clay
Gray, James T.	Knox
Grayce, Opal	Knox
Greene, Mayo	Bell
Greene, Millard	Knox
Greene, Orbin	Bell
Greene, Theopholus	Bell
Hacker, Ica	Clay
Hacker, Jean	Clay
Haggard, Auda	Clay
Hamilton, Pearl John	Knox
Hammons, Bessie	Knox
Hammons, Chester	Knox
Hammons, Cleo	Knox
Hampton, Ernest A.	Knox
Harrod, Riley	Jefferson

Name	*County or State*
Hart, Lloyd	Knox
Hawn, Ruth	Knox
Heaberlin, Bertha A.	Greenup
Helton, Dorothy	Harlan
Helton, Leora	Knox
Hightower, Charles	Whitley
Hogg, Launia	Letcher
Hopper, Lewis	Knox
Hopper, Mary	Knox
Hopper, Maude	Knox
Horn, Ruby	Bell
Horrall, Nolan B.	Indiana
Howard, David B.	Knox
Howard, Leora	Knox
Howard, Rose Etta	Knox
Howard, Zelma	Knox
Hughes, Mary Bernice	Knox
Ison, Lassie Jean	Letcher
Jackson, Alfred	Clay
Jackson, Evelyn	Knox
Jackson, Mae	Knox
Jarvis, Arah D.	Knox
Jarvis, Sally Corey	Knox
Jones, Bessie C.	Knox
Jones, John Henry	Knox
Jordon, Ethel Mae	Knox
Karr, Euna	Whitley
Keck, W. A.	Knox
Kinningham, Earl	Bell
Knuckles, Bertha M.	Bell
Knuckles, John R.	Bell
Laws, Bessie M.	Knox
Laws, Christine H.	Harlan
Lawson, Bently	Harlan
Lewis, Cecil	Clay
Llewellyn, Ruth	Knox
Loving, Chester C.	Ohio (State)
Lynch, Louise	Knox
Lyttle, George B.	Clay
Maggard, Mary G.	Knox
Main, James D.	Knox
Marcum, Victoria	Owsley
Martin, Mattie	Knox
Mayhew, Bruce H.	Knox
Mays, Reavus	Carter
McGaffie, Ardith	Bell

Name	*County or State*
McNeil, Cecil W.	Knox
McNeil, William R.	Knox
Messer, Durham	Knox
Miles, Violet	Knox
Miller, Bernard	Ohio (County)
Miller, Vernon	Whitley
Mills, Carnes	Bell
Mills, Lettie M.	Clay
Morgan, Reva	Letcher
Morrison, Lois M.	Ohio (State)
Mundell, Milton V.	Knox
Murphy, Thomas M.	Knox
Neal, Ona Mae	Harlan
Noe, Madeline	Bell
Nolan, Robert E.	Letcher
O'Neal, Ellen F.	Mason
Parker, Homer D.	Bell
Parsons, Beulah P.	Nicholas
Parrott, L. L.	Bell
Payne, Chester	Knox
Payne, Cleadith	Knox
Payne, Mary	Knox
Peace, Thelma	Knox
Pendleton, Daisy	Knox
Philpot, Delbert	Knox
Pippin, Kate	Harlan
Prichard, Cleadia	Knox
Pruitt, Mae Belle	Greenup
Renfro, George	Knox
Renfro, Mary E.	Knox
Richardson, Glenn W.	Bell
Richardson, Ruth	Bell
Roberts, Carlo	Leslie
Roberts, Julia	Clay
Rogers, Anna Ruth	Harlan
Rose, Clara Mae	Knox
Rowlett, Elsie Lee	Bell
Rutledge, Charles	Knox
Scent, Albert	Knox
Scott, Jarvis	Knox
Sears, Lucy H.	Knox
Setser, Flora G.	Whitley
Shifley, Vivian	Knox
Slusher, Laura M.	Leslie
Slusher, Mason	Bell
Slusher, Richard	Bell

Name	*County or State*
Slusher, Walter	Bell
Smith, Anna Louise	Greenup
Smith, Otis	Knox
Sowders, Floyd	Knox
Sowders, W. D.	Knox
Spurlock, Ellen	Knox
Spurlock, Nannie	Clay
Sutton, Lucille Marie	Bell
Taylor, James M.	Bell
Taylor, Mildred	Harlan
Thomas, Ruby	Knox
Thomason, Thomas	Grayson
Thompson, Fannie	Bell
Thompson, James H.	Knox
Treadway, Sallie	Knox
Trosper, Donnie	Knox
Trumbo, Winn P.	Mason
Vanbeber, Ann	Bell
Wagers, Oscar	Clay
Wagers, Rusell	Clay
Walker, Leone	Carter
Walton, Elsie Mae	Knox
Warfield, Pauline	Knox
Wells, Martha B.	Knox
West Lucille	Knox
Whitaker, Venon	Letcher
White, Hester M.	Bracken
Wilder, Eva	Bell
Williams, Harold	Knox
Williamson, Axie Cleo	Knox
Williamson, Ethel V.	Knox
Williamson, George	Knox
Williamson, Irene	Knox
Wilson, Carl E.	Leslie
Wilson, Carrie C.	Bell
Wilson, Fannie	Knox
Wilson, Gladys	Harlan
Wilson, William	Bell
Woods, Walter	Clay
Wyatt, Alma	Whitley
York, Ben	Knox
York, John	Greenup

SPECIAL STUDENTS

Baker, George	Knox
Cobb, Emerson G.	Webster
Lay, Charles	Knox

Name	*County or State*
Nelson, Florence	Knox
Putnam, Fred P.	Pennsylvania
Richardson, Mary	Knox
Sproule, Evelyn	Knox
Taylor, Mrs. Emma	Bell
Tuggle, Cassie H.	Knox

EXTENSION STUDENTS

Allen, Euna	Whitley
Barker, Ruth	Harlan
Bentley, C. F.	Laurel
Bentley, Vicie	Laurel
Birch, May M.	Bell
Bishop, Fred	Harlan
Burnett, R. E.	Laurel
Buton, Margaret P.	Harlan
Brock, Myrtle	Laurel
Catron, Florence J.	Bell
Cawood, Flo	Harlan
Cawood, Pope	Harlan
Chestnut, Daisy	Laurel
Clay, Agnes	Harlan
Clay, C. W.	Harlan
Dillon, Jane B.	Laurel
Dotson, Mabel	Laurel
Ellison, Cora	Bell
Ellison, Vaudie V.	Bell
Epperson, Lucile	Whitley
Frisby, D. G.	Harlan
Garland, Charles	Knox
Gilbert, Joseph	Laurel
Gilbert, Theo	Laurel
Greene, Mollye	Bell
Hampton, Justus	Harlan
Hill, Gusta	Tennessee
Hill, Henry	Whitley
Hill, Rhoda Lay	Tennessee
Huff, Crusoe	Harlan
Johnson, Bessie	Bell
Johnson, Maude M.	Whitley
Johnson, Robert	Bell
Jones, Willard	Harlan
Keith, Stephen	Harlan
King, G. P.	Harlan
Lay, Demaris	Whitley
Magee, Arlie	Laurel
Meccia, Mary	Harlan

Name	*County or State*
Michael, Gertrude	Laurel
Mills, John J.	Whitley
Mills, S. A.	Bell
Mitchell, John	Harlan
Nichols, Elizabeth	Harlan
Parker, Kathryn	Harlan
Parman, J. R.	Laurel
Perkins, Lillian	Whitley
Pigg, Wilma Lee	Laurel
Phillips, Kathleen	Laurel
Roach, Nell H.	Bell
Roaden, Ova G.	Harlan
Simpson, Laura	Harlan
Sizemore, Clara	Bell
Smith, C. C.	Clay
Smith, Goldie	Whitley
Steely, Flora	Whitley
Sullivan, Flora	Whitley
Sullivan, Hattie	Whitley
Sutton, Minnie Sue	Whitley
Taylor, Clara	Laurel
Taylor, Roy B.	Laurel
Thompson, Nannie	Whitley
Unthank, Flossie	Harlan
Valentine, Harry	Harlan
Walden, Dulford	Laurel
Walden, Delmus	Laurel
Warfield, Ruby	Harlan
Watkins, Albert	Laurel
Watkins, Leo	Laurel
White, Hazel M.	Harlan
Wood, Mary	Harlan
Yancey, Leila	Whitley
Young, Emma Pearl	Laurel

SUMMER SCHOOL STUDENTS

Alfred, Joe	Harlan
Allen, Euna	Whitley
Alsip, Joe	Whitley
Anders, Eunice	Whitley
Asher, Fannie	Bell
Asher, Foister	Bell
Asher, George Matt	Bell
Baird, George Nelson	Knox
Baker, Cecil	Harlan
Baker, Clara	Knox
Baker, J. R.	Laurel

Name	*County or State*
Baker, Taylor	Clay
Ball, William	Lawrence
Barger Ross	Harlan
Barker, Ruth	Harlan
Bays, Amy	Knox
Bays, Elsie	Knox
Beddow, Walter	Knox
Bishop, Mabel	Bell
Blackburn, Elizabeth	Knox
Blanton, Bertha	Pike
Bledsoe, Mallie B.	Clay
Brock, Otto	Bell
Broughton, Beulah	Laurel
Brunk, Edward	Harlan
Bryant, Alvis	Knox
Bryant, Ruby Jean	Knox
Buchanan, G. N.	Knox
Buchanan, L. W.	Knox
Buck, Louise	Knox
Burkhart, John	Harlan
Carter, Nammie	Harlan
Carter, Ralph	Harlan
Catron, James Fred	Knox
Catron, Lois	Knox
Catron, Sadie	Knox
Chesnut, Glenn	Knox
Chesnut, Glenn	Knox
Collett, James Roy	Bell
Collett, Mrs. L. M.	Knox
Collett, L. M.	Knox
Colson, D. G.	Franklin
Combs, Virginia	Knox
Cottongim, Minnie B.	Clay
Cox, Howard	Knox
Creasy, Mae	Knox
Creech, Thelma	Bell
Davidson, Garrett H.	Clay
Davies, Ellen	Knox
Davis, William E.	Knox
Dean, Mary Elizabeth	Knox
Dobson, Edgar	Clay
Dunn, Agnes	Whitley
Engle, Otis	Knox
Epperson, Marvin	Knox
Evans, Florence	Knox
Evans, Louie	Whitley

Name	*County or State*
Faulkner, Jesse	Knox
Faulkner, Mary	Knox
Faulkner, Nancye Lee	Knox
Felter, Odra	Leslie
Fields, Chester	Owsley
Fisher, Elizabeth	Ohio (State)
Fortney, Carrie Jean	Knox
Frederick, Mary Jamima	Knox
Gabbard, Dan	Bell
Gabbard, Mossie Lee	Bell
Garland, Charles	Knox
Garland, Etta Helen	Knox
Gilbert, Nell Lois	Harlan
Gillis, Mary Wilder	Whitley
Goodman, Callie	Knox
Gourley, Mattie A.	Bell
Greene, Ethel Mae	Knox
Greene, Juanita	Bell
Gregory, James W.	Knox
Gregory, T. C.	Knox
Hamby, Nona	Harlan
Hammonds, Lillian	Knox
Hammons, C. B.	Knox
Hampton, Clara C.	Harlan
Hampton, Ella Mae	Whitley
Hampton, Ernest	Knox
Hampton, James B.	Knox
Hampton, Justus	Knox
Hampton, Theodore	Knox
Hauser, Edna	Knox
Helton, Robert	Harlan
Hicks, Georgia	Clay
Hill, Mrs. Roy J.	Georgia
Hopper, Harry Glenn	Knox
Howard, Durham	Bell
Howard, Nola	Bell
Howard, Ora Mae	Bell
Howard, Willis	Harlan
Howard, Z. R. Jr.	Knox
Hubbard, Daisy	Clay
Hubbard, Ethel	Clay
Hubbard, Etta	Clay
Hubbard, W. P.	Knox
Hughes, John W.	Knox
Hughes, Mary Bernice	Knox
Hughes, Nelle Wand	Knox

Name	*County or State*
Hughes, Sarah Jones	Knox
Humfleet, D. M.	Knox
Ingram, Lucille	Bell
Ingram, Willa	Bell
Jarvis, Arah D.	Knox
Jarvis, Myrtle	Knox
Jarvis, Zella Pelly	Knox
Johnson, Bessie	Bell
Johnson, Chester A.	Knox
Johnson, Delsa Mae	Harlan
Jones, Bertha	Whitley
Jones, Bessie	Knox
Jones, Nelle	Bell
Jones, Robert	Whitley
Jones, Mrs. S. H.	Knox
Kelly, Roy Melvin	Harlan
Kelly, Sadie J.	Knox
Kilbourne, Earl T.	Virginia
King, G. P.	Harlan
Knuckles, D. C.	Bell
Knuckles, Lou Anna	Bell
Knuckles, Sampson	Bell
Knuckles, Mrs. W. L.	Bell
Laws, Bessie Mae	Knox
Lay, Jesse	Knox
Lay, Pauline	Knox
Lee, Rhodah	Harlan
Lewis, McCoy	Clay
Logsdon, Edward	Knox
Lundy, W. R.	Knox
Maggard, Jane	Clay
Main, James David	Knox
Main, Luciel W.	Knox
Main. Ruth	Knox
Maloney, William	Delaware
Marsee, Leila	Knox
Marshall, Effie Mae	Bell
Mayhew, Mae	Knox
Mays, Cecil	Knox
Mays, Everett G.	Bell
Mays, Irene	Knox
Mays, Jesse	Knox
Mays, Shelvy	Knox
Mays, J. R.	Knox
McNeil, John	Knox
McWilliams, Rufus	Knox

Name	*County or State*
McWilliams, Bronzell	Knox
Mealer, June	Knox
Messer, Durham	Knox
Messer, James C.	Knox
Messer, Nebraska	Knox
Middleton, Ceila	Harlan
Miller, George Clifford	Whitley
Miller, Effie Lee	Bell
Miller, Louella	Knox
Mills, Anna Lee	Clay
Mills, Edward	Clay
Mills, Florence	Clay
Mills, John	Clay
Mills, Mrs. S. A.	Bell
Mills, S. A.	Bell
Mills, Velma Sears	Knox
Mitchell, Amanda	Knox
Mitchell, Bess	Harlan
Moore, Bettie B.	Whitley
Moore, Marvin	Whitley
Morehead, Marvin	Knox
Morehead, Nevil	Knox
Morgan, Elise	Laurel
Morgan, Taylor	Whitley
Murray, Nannie	Bell
Oaks, Fontella	Bell
Parker, Homer	Bell
Parsons, Curtis	Harlan
Parsons, Estle Grant	Knox
Pendleton, Ruth Jane	Knox
Philpot, Delbert	Knox
Philpot, William J.	Clay
Powell, Mintie Jane	Harlan
Quillen, Mont	Virginia
Quinton, Hilda	Casey
Rader, Mildred	West Virginia
Ramsey, Ora	Knox
Reid, Joyce	Knox
Rhodes, Dessie	Harlan
Rice, Jesse William	Bell
Richardson, Glenn	Bell
Richardson, Mary	Knox
Roach, Nelle H.	Bell
Roaden, Ova	Harlan
Roberts, Cleo	Knox
Roberts, Lena	Virginia

Name	*County or State*
Roberts, Sophie	Lawrence
Rodgers, Jerome	Whitley
Rowlett, Elsie Lee	Bell
Sawyer, Rebecca	Knox
Sears, Bertha	Knox
Sharp, Mrs. Frank	Clay
Sheils, Edward	Boyd
Shifley, Glenn M.	Knox
Siler, Steeley Leon	Knox
Simpson, Laura Elizabeth	Harlan
Sizemore, Clara	Bell
Slusher, William	Bell
Smallwood, A. L.	Clay
Smallwood, Stella	Clay
Sowders, Georgia	Knox
Sowders, Mary	Knox
Smith, Alta	Knox
Smith, Bonnie	Rockcastle
Smith, C. C.	Clay
Smith, Esther Wendell	Clay
Smith, Howet	Clay
Smith, L. W.	Clay
Smith, Roy K.	Clay
Smith, W. W.	Clay
Spurlock, Ethel	Clay
Spurlock, Gobel	Clay
Sweeney, John William	Knox
Stewart, Braxton	Knox
Tallent, Bernard	Whitley
Taylor, Mrs. Emma	Bell
Taylor, Gladys	Knox
Taylor, Lillie Mae	Bell
Teague, Martha	Whitley
Terrell, Amanda	Whitley
Terrell, Ida Naomi	Whitley
Terrell, Lucie	Whitley
Terrell, Robert	Whitley
Terrell, Woodrow	Whitley
Terry, Douglas	Whitley
Thomas, Hazel	Laurel
Thomas, Juanita	Whitley
Thompson, Fannie	Bell
Treadway, J. E.	Laurel
Treadway, Prudy	Knox
Tribell, Maurice	Bell
Tribell, Thomas W.	Bell

Name	*County or State*
Trosper, Margaret	Whitley
Turner, Ann	Bell
Turner, Elbert C.	Knox
Turner, Rosa	Bell
Tye, Julia Howard	Harlan
Tye, Sunshine	Knox
Valentine, L. T.	Knox
Valentine(Shellie	Knox
Vincent, Maurice	Knox
Wagers, Earl	Clay
Wagers, Evelyn	Clay
Walker, Martha June	Knox
Wallen, Margaret	Whitley
Walton, Elsie	Knox
Warren, Yerkes	Bell
Webb, Ezra	Clay
Webb, Pearl	Laurel
West, Lucille	Knox
West, Whit R.	Harlan
Whitaker, Marie	Bell
White, Mrs. Cleo	Clay
White, Hazel M.	Harlan
White, Reginald	Knox
White, Statia B.	Clay
Williams, Clyde	Knox
Williams, Stella	Knox
Williamson, Axie Cleo	Knox
Williamson, Ethel	Knox
Williamson, George	Knox
Williamson, Irene	Knox
Wilson, Carrie Centers	Bell
Wilson, Claude E.	Harlan
Wilson, Edgar	Bell
Wilson, Gertrude	Knox
Wilson, Lenore	Bell
Wilson, Marie	Knox
Wilson, Myrtle	Knox
Wyrick, Dora Thomas	Leurel
Young, Charlotte	Whitley
Young, Nellie	Harlan

SUMMARY OF ENROLLMENT
1931-32

	First Semester			Second Semester		
	Men	*Women*	*Total*	*Men*	*Women*	*Total*
Freshman	43	54	97	87	104	191
Sophomores	36	20	56	45	54	99
Juniors	15	9	24	29	36	65
Seniors	19	17	36	23	17	40
Special	2	2	4	3	3	6
Total	115	102	217	187	214	401

Total Different Students Enrolled During First and Second Semesters:

Freshmen	212
Sophomores	114
Juniors	68
Seniors	45
Special	9
Total	448
Summer Session 1931	281
Extension	73

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